

## Product Datasheet

### Mouse Kif1a protein (orb244322)

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| <b>Description</b>       | Recombinant mouse Kinesin-like protein KIF1A                                                                                                                                                                                                                                                                                                                                                 |
| <b>Endotoxins</b>        | Not test.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Preservatives</b>     | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                                                                                           |
| <b>Form/Appearance</b>   | Liquid or Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                              |
| <b>Tag</b>               | N-terminal 6xHis-SUMO-tagged                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Note</b>              | For research use only                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Application notes</b> | Partial of the full length of 1-361aa Kinesin-motor domain of His-SUMO-tag and expression region is 1-361aa                                                                                                                                                                                                                                                                                  |
| <b>Protein Sequence</b>  | MAGASVKVAVRVRPFNSREMSRDSKCIQMSGSTTTIVNPKQPKETPKSFSFDYS<br>YWSHTSPEDINYASQKQVYRDIGEEMLQHAFEGYNVCIFAYGQTGAGKSYTMM<br>GKQEKDQQGIIPQLCEDLFSRINDTTNDNMSYSVEVSYMEIYCERVRLNPKNK<br>GNLRVREHPLLGPYVEDLSKLAVTSYNDIQDLMDSGNKPRTVAATNMNETSSRS<br>HAVFNIIFTQKRHDAETNITTEKVSISLVDLAGSERADSTGAKGTRLKEGANINK<br>SLTTLGKVISALAEMDSGPKNKKNKKKTDFIPYRDSVLTWLLRENLGGSRTAMV<br>AALSPADINYDETLSTLRYADRAKQIRCNAIIN |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MW</b>                | 56.4 kDa                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Uniprot ID</b>        | <b>P33173</b>                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Expiration Date</b>   | 6 months from date of receipt.                                                                                                                                                                                                                                                                                                                                                               |