

Product Datasheet

Human LIG1 protein (orb244346)

Description

Recombinant human DNA ligase 1

Endotoxins

Not test.

Preservatives

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.

Form/Appearance

Liquid or Lyophilized powder

Storage

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.

Tag

N-terminal GST-tagged

Note

For research use only

Application notes

Full length of GST-tag and expression region is 1-919aa

Protein Sequence

MQRSIMSFHPPKKEGKAKKPEKEASNSSRETEPPPKAALKEWNGVSES DSPVK
RPRGKAARVLGSEGEEDDEALSPAKGQKPALDCSQVSPRPATSPENNASLSDT
SPMDSSPSGIPKRRRTARKQLPKRTIQEVLEEQSEDEDREAKRKKEEEEEETPKESL
TEAEVATEKEGEDGDQPTTPPKPLKTSKAETPTESVSEPEVATKQELQEEEEQTK
PPRRAPKTLSSFFTPRPAVKKEVKEEPPGAPGKEGAAEGPLDPSGYNPAKNNYH
PVEDACWKPGQKVPYLAVARTFEKIEVSARLRMVETLSNLLRSVVALSPDLLP
VLYLSLNLHGLPPQGGLELGVGDGVLLKAVAQATGRQLESVRAEAAEKGDVGLV
AENSIRSTQRLMLPPPPLTASGVFSKFRDIARLTGSASTAKKIDIIKGLFVACRHSEA
RFIARSLSGRLRLGLAEQSVLAALSQAVSLTPPGQEFPPAMVDAGKGKTAEARKT
WLEEQGMILKQTFCEVPDLRIIPVLEHGLERLPEHCKLSPGIPLKPMLAHPTRGI
SEVLKRFEAAFTCEYKYGQRAQIHAELEGGEVKIFSRNQEDNTGKYPDIISRIPKI
KLPSVTSFILDTEAVAWDREKKQIQPFQVLTTTRKRKEVDASEIQVQVCLYAFDLIY
LNGESLVREPLSRRRQLLRENFVETEGEFVFATSLDTKDIEQIAEFLEQSVKDSCE
GLMVKTLDVDATYEIAKRSHNWLKLDYLDGVGDTLDLVVIGAYLGRGKRAGR
YGGFLLASYDEDSEELQAICKLGTGFSDEELEEHHQSLKALVLPSPRPYVRIDGAV
IPDHWLDPSAVWEVKCADLSLSPIYPAARGLVSDKGISLRFPRFIRVREDKQPE
QATTSAQVACLYRKQSQIQNQGGEDSGSDPEDTY

Purity

Greater than 90% as determined by SDS-PAGE.

Source

E.coli

MW

128.7 kDa

Uniprot ID

P18858

Expiration Date

6 months from date of receipt.