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Product Datasheet

HEK293 Whole Cell Lysate MG-132 Treated (orb420146)

Description	HEK293 Whole Cell Lysate MG-132
Conjugation	Unconjugated
Tested Applications	SDS-PAGE, WB
Preservatives	Preservative: None. Stabilizer: 10% (v/v) Glycerol. 1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8)
Form/Appearance	Liquid
Concentration	1mg/mL
Storage	Store vial at -70° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Note	For research use only
Application notes	Ready-to-use lysates are especially prepared as positive controls for separation by SDS-PAGE and subsequent western blot analysis. Lysates are prepared in denaturing buffer WITHOUT dissociating agents (i.e. no 2-mercaptoethanol or dithiothreitol has been added). Heat lysate to 95° C for 5 minutes and rapidly cool. If dissociating conditions are desired, add reducing agent prior to heating. The recommended loading volume per lane is 10-20 µl depending on the size format of your gel.
Purity	HEK293 cells were grown in Dulbecco's medium supplemented with 10% fetal bovine serum. Cells were treated O/N with 0.2µg/mL of MG-132 in order to reduce degradation of ubiquitin-conjugated proteins by the proteasome. Cells were washed with PBS and then incubated on ice in modified RIPA buffer, containing 150 mM sodium chloride, 50 mM Tris HCl, pH 7.4, 1 mM EDTA, 1.0% NP-40, 0.5% sodium deoxycholic acid , 0.1% SDS and 0.01% (w/v) sodium azide to lyse the cells. Protein integrity was ensured using a cocktail of protease inhibitors with broad specificity for the inhibition A). Phosphatase inhibitors 1 mM NaF and 1 mM Na3VO4 were also added

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