

OLA1, 1-396aa Human, His tag, E.coli

Cat.NO.: TP03248

3th Edition

Synonyms:Obg-like ATPase 1, DOC45, GBP45, GTBP9, GTPBP9, PTD004.

Description:OLA1, also known as obg-like ATPase 1, functions as a negative regulator of the cellular antioxidant response independent of transcriptional processes. OLA1 suppresses the antioxidant response through nontranscriptional mechanisms. Recombinant human OLA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl

Molecular Weight:47.3 kDa (420aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMPPKKGDDGKPPPIIGRFGTSLKIGIVGLPNVVGKSTFFNVLTNQASAENF
PFCTIDPNESRVPVPDERFDFLCQYHKPASKIPAFLNVDIAGLVKGAHNGQGLGNAFLSHISACDGIFHLTRAFEDD
DITHVEGSVDPIRDIEIIHEELQLKDEEMIGPIIDKLEKVAVRGGDKKLKPEYDIMCKVKSWVIDQKKPVRFYHDWNDK
EIEVLNKHFLTSKPMVYLVNLSEKDYIRKKNKWLKIKEWVDKYDPGALVIPFSGALELKLQELSAEERQKYLEANM
TQSALPKIIKAGFAALQLEYFFTAGPDEVRAWTIRKGTAKAPQAAGKIHTDFEKGFI MAEVMKYEDFKEEGSENAVKA
AGKYRQQGRNYIVEDGDIFFKFNTQQPKKK

Purity:> 95% by HPLC

Concentration:1 mg/ml

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.