

Recombinant Human Obg-like ATPase 1(OLA1)

Catalog No: #AP70607

Package Size: #AP70607-1 20ug #AP70607-2 100ug #AP70607-3 1mg

Description

Product Name	Recombinant Human Obg-like ATPase 1(OLA1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-396aaSequence Info:Full Length
Other Names	DNA damage-regulated overexpressed in cancer 45 ;DOC45GTP-binding protein 9
Accession No.	Q9NTK5
Calculated MW	60.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MPPKKGGDGIKPPPIIGRFGTSLKIGIVGLPNVGKSTFFNVLTSQASAENFPFCTIDPNESRVVPDERFDFLC QYHKPASKIPAFNLNVVDIAGLVKGAHNGQGLGNAFLSHISACDGIFHLTRAFEDDDITHVEGSVDPIRDIEIIHEE LQLKDEEMIGPIIDKLEKVAVRGGDKLKPEYDIMCKVKSWVIDQKKPVRFYHDWNDKEIEVLNKHFLFTSKPM VYLVNLSEKDYIRKKNKWLIKIEWVDKYDPGALVIPFSGALELKLQELSAEERQKYLEANMTQSALPKIICAGF AALQLEYFFTAGPDEVRAWTIRKGTAKAPQAAGKIHTDFEKGFIEMVMKYEDFKEEGSENAVKAAGKYRQQG RNYIVEDGDIIFFKFNTPPQPKKK
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Hydrolyzes ATP, and can also hydrolyze GTP with lower efficiency. Has lower affinity for GTP.

References

DOC45, a novel DNA damage-regulated nucleocytoplasmic domain ATPase that is overexpressed in multiple human malignancies.Sun H., Luo X., Montalbano J., Jin W., Shi J., Sheikh M.S., Huang Y.Mol. Cancer Res. 8:57-66(2010)Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.