

OLA1 recombinant protein

OLA1, 1-396aa, Human, His tag, E Coli

CATALOG # AAA48784	HOST E Coli	APPLICATIONS SDS-Page
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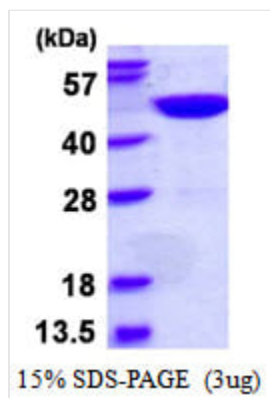
PRODUCT SYNONYMS

OLA1; 1-396aa; Human; His tag; E Coli; Obg-like ATPase 1; DOC45; GBP45; GTBP9; GTPBP9; PTD004; OLA1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSHPKPKG GDGIKPPPII GRFGTSLKIG IVGLPNVGKS TFFNVLTSNQ ASAENFPFCT IDPNESRPV PDERFDLCQ YHKPASKIPA FLNVVDIAGL VKGAHNGQGL GNAFLSHISA CDGIFHLTRA FEDDDITHVE GSVDPIRDIE IIEELQLKD EEMIGPIIDK LEKVAVRGGD KKLKPEYDIM CKVKSVIDQ KKPVRFYHDW NDKEIEVLNK HFLTSKPMV YLVNLSEKDY IRKKNKWLK IKWVDKYDP GALVIPFSGA LELKLQELSA EERQKYLEAN MTQSALPKII KAGFAALQLE YFFTAGPDEV RAWTIRKGTK APQAAGKIHT DFEKGFIMAE VMKYEDFKEE GSENAVKAAG KYRQQGRNYI VEDGDIIFFK FNTPPQPKKK
Sequence Length	396
Applicable Applications for OLA1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for OLA1 recombinant protein	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.
Product Categories/Family for OLA1 recombinant protein	Enzymes & Proteases
References	Choudhary C., et al. (2009) Science. 325:834-840; Koller-Eichhorn R., et al. (2007) J. Biol. Chem. 282:19928-19937

NCBI AND UNIPROT INFORMATION

NCBI GI #	58761500
NCBI GeneID	29789
NCBI Accession #	NP_037473
NCBI GenBank Nucleotide #	NM_013341.4
UniProt Accession #	Q9NTK5; Q5BJD7; Q8NCI8; Q96CU1; Q96SV2; Q9P1D3; Q9UNY9; Q9Y6G4; D7EHM2
Molecular Weight	47.3 kDa (420aa), confirmed by MALDI-TOF
NCBI Official Full Name	obg-like ATPase 1 isoform 1
NCBI Official Synonym Full Names	Obg like ATPase 1
NCBI Official Symbol	OLA1
NCBI Official Synonym Symbols	DOC45; GBP45; GTBP9; GTPBP9; PTD004
NCBI Protein Information	obg-like ATPase 1
UniProt Protein Name	Obg-like ATPase 1
UniProt Gene Name	OLA1
UniProt Synonym Gene Names	DOC45

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ola1-recombinant-protein-e-coli-sds-page/48784>