

## Recombinant Human OLA1 protein, His-tagged

**Cat. No.** OLA1-3533H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human OLA1 protein(1-250 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-250 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AA Sequence</b>	MPPKKGGDGIKPPPIIGRFGTSLKIGIVGLPNVGKSTFFNVLTSQASAENFPFCTIDP NESRVPVPDERFDLFCQYHKPASKIPAFLNVVDIAGLVKGAHNGQGLGNAFLSHISA CDGIFHLTRAFEDDDITHVEGSVDPIRDIEIIHEELQLKDEEMIGPIIDKLEKVAVRGGD KKLKPEYDIMCKVKSWVIDQKKPVRFYHDWNDKEIEVLNKHFLTSKPMVYLVNLSE KDYIRKKNKWLLESTDN
<b>Purity</b>	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

**GENE INFORMATION**
**Gene Name**

OLA1 Obg-like ATPase 1 [ Homo sapiens ]

**Official Symbol**

OLA1

**Synonyms**

OLA1; Obg-like ATPase 1; GTP binding protein 9 (putative) , GTPBP9; obg-like ATPase 1; PTD004; GTP-binding protein PTD004; homologous yeast-44.2 protein; GTP-binding protein 9 (putative); DNA damage-regulated overexpressed in cancer 45 protein; DOC45; GBP45; GTBP9; GTPBP9; DKFZp313H1942;

**Gene ID**

29789

**mRNA Refseq**

NM\_001011708

**Protein Refseq**

NP\_001011708

**MIM**

611175

**UniProt ID**

Q9NTK5

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