

Recombinant Human OSTM1 protein, His & T7-tagged

Cat. No. OSTM1-8007H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human OSTM1 aa. (Gln120~Gly251 (Accession # Q86WC4)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln120~Gly251
Description	This gene encodes a protein that may be involved in the degradation of G proteins via the ubiquitin-dependent proteasome pathway. The encoded protein binds to members of subfamily A of the regulator of the G-protein signaling (RGS) family through an N-terminal leucine-rich region. This protein also has a central RING finger-like domain and E3 ubiquitin ligase activity. This protein is highly conserved from flies to humans. Defects in this gene may cause the autosomal recessive, infantile malignant form of osteopetrosis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

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Characteristic	The isoelectric point is 5.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	OSTM1 osteopetrosis associated transmembrane protein 1 [Homo sapiens (human)]
Official Symbol	OSTM1
Synonyms	GL; GIPN; OPTB5; HSPC019; CLCN7 accessory beta subunit; GAIP-interacting protein N terminus; chloride channel 7 beta subunit; grey-lethal osteopetrosis; osteopetrosis-associated transmembrane protein 1
Gene ID	28962

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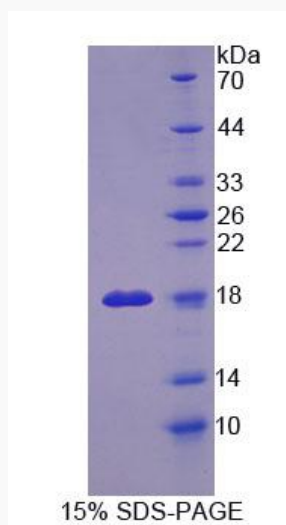
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mRNA Refseq [NM_014028.3](#)

Protein Refseq [NP_054747.2](#)

UniProt ID [Q86WC4](#)

SDS-PAGE



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