Recombinant Human OSTM1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OSTM1-3891H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OSTM1 MS Standard C13 and N15-labeled recombinant protein (NP_054747) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	37.3 kDa
AA Sequence	MEPGPTAAQRRCSLPPWLPLGLLLWSGLALGALPFGSSPHRVFHDLLSEQQLLEVE DLSLSLLQGGGLGPLSLPPDLPDLDPECRELLLDFANSSAELTGCLVRSARPVRLCQ TCYPLFQQVVSKMDNISRAAGNTSESQSCARSLLMADRMQIVVILSEFFNTTWQEA NCANCLTNNSEELSNSTVYFLNLFNHTLTCFEHNLQGNAHSLLQTKNYSEVCKNCR EAYKTLSSLYSEMQKMNELENKAEPGTHLCIDVEDAMNITRKLWSRTFNCSVPCSD TVPVIAVSVFILFLPVVFYLSSFLHSEQKKRKLILPKRLKSSTSFANIQENSNTRTRPLE

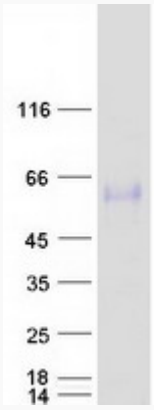
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	QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	OSTM1 osteopetrosis associated transmembrane protein 1 [Homo sapiens (human)]
Official Symbol	OSTM1
Synonyms	OSTM1; osteopetrosis associated transmembrane protein 1; osteopetrosis-associated transmembrane protein 1; GL; HSPC019; grey-lethal osteopetrosis; GAIP-interacting protein N terminus; GIPN; OPTB5;
Gene ID	28962
mRNA Refseq	NM_014028
Protein Refseq	NP_054747
MIM	607649

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UniProt ID	Q86WC4
SDS-PAGE	

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