OSTM1 (Human) Recombinant Protein (Q01)

Catalog #   H00028962-Q01   Size   25 ug, 10 ug

Applications
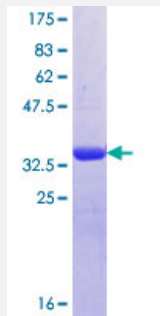
Specification

Product Description	Human OSTM1 partial ORF (NP_054747.2, 183 a.a. - 282 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SNSTVYFLNLFNHTLTCFEHNLQGNAHSLLQTKNYSEVCKNCREAYKTLSSLYSEMQKMNELENK AEPGTHLCIDVEDAMNITRKLWSRTFNCSVPCSDT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (80); Rat (82)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)

- Antibody Production

- Protein Array

Gene Info — OSTM1

Entrez GeneID	28962
GeneBank Accession#	NM_014028
Protein Accession#	NP_054747.2
Gene Name	OSTM1
Gene Alias	GIPN, GL, HSPC019, OPTB5
Gene Description	osteopetrosis associated transmembrane protein 1
Omim ID	259700 607649
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	GAIP-interacting protein N terminus|OTTHUMP00000016938|grey-lethal osteopetrosis

Disease

- Cleft Lip

- Cleft Palate

- Tooth Abnormalities