Recombinant Mouse Ostm1 Protein, His-tagged

Cat. No. Ostm1-1887M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ostm1 Protein (Gln124-Glu255) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gln124-Glu255
Description	Acts upstream of or within osteoclast differentiation. Located in cytosol. Is expressed in several structures, including alimentary system; hemolymphoid system gland; nervous system; skeleton; and skin. Used to study autosomal recessive osteopetrosis 5. Human ortholog(s) of this gene implicated in autosomal recessive osteopetrosis 5. Orthologous to human OSTM1 (osteoclastogenesis associated transmembrane protein 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.6 kDa Accurate Molecular Mass: 19 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Ostm1 osteopetrosis associated transmembrane protein 1 [Mus musculus (house mouse)]
Official Symbol	Ostm1
Synonyms	OSTM1; osteopetrosis associated transmembrane protein 1; osteopetrosis-associated transmembrane protein 1; grey lethal osteopetrosis; gl; HSPC019; 1200002H13Rik;
Gene ID	14628
mRNA Refseq	NM_172416
Protein Refseq	NP_766004
UniProt ID	Q8BGT0

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