

Recombinant Mouse Sqstm1 Protein, His-tagged

Cat. No. Sqstm1-2097M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sqstm1 Protein (Ala2-Leu442) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala2-Leu442
Description	Enables K63-linked polyubiquitin modification-dependent protein binding activity; identical protein binding activity; and ionotropic glutamate receptor binding activity. Involved in several processes, including brown fat cell proliferation; energy homeostasis; and positive regulation of long-term synaptic potentiation. Acts upstream of or within negative regulation of transcription by RNA polymerase II. Located in several cellular components, including aggresome; autolysosome; and sperm midpiece. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; limb; and sensory organ. Used to study Paget's disease of bone. Human ortholog(s) of this gene implicated in GNE myopathy; Paget's disease of bone; and frontotemporal dementia and/or amyotrophic lateral sclerosis-3. Orthologous to human SQSTM1 (sequestosome 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.3 kDa Accurate Molecular Mass: 60 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Sqstm1 sequestosome 1 [Mus musculus (house mouse)]
Official Symbol	Sqstm1
Synonyms	SQSTM1; sequestosome 1; sequestosome-1; STONE14; oxidative stress induced; ubiquitin-binding protein p62; Osi; p62; A170; STAP; OSF-6;
Gene ID	18412
mRNA Refseq	NM_011018

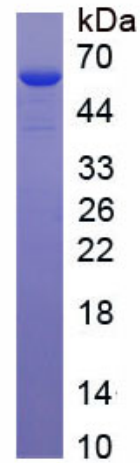
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Protein Refseq NP_035148

UniProt ID Q64337



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