

Recombinant Full Length Human SQSTM1 Protein, C-Flag-tagged

Cat. No. SQSTM1-36HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SQSTM1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF-κB) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF-κB in response to upstream signals. Alternatively spliced transcript variants encoding either the same or different isoforms have been identified for this gene. Mutations in this gene result in sporadic and familial Paget disease of bone.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47.5 kDa
AA Sequence	MASLTVKAYLLGKEDAAREIRRFSCCSPEPEAEAEAAAAGPGPCERLLSRVAALFPA LRPGGFQAHYRDE DGDLVAFSSDEELTMAMSYVKDDIFRIYIKEKKECRRDHRPPC AQEAPRNMVHPNVICDGCNGPVGTRY KCSVCPDYDLCSVCEGKGLHRGHTKLAF PSPFGHLSEGFHSRWLRKVKHGFGWPGWEMGPPGNWSPRP PRAGEARPGPT AESASGPSEDPSVNFLKNVGESVAAAALSPLGIEVDIDVEHGGKRSRLTPVSPESSST

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EE KSSSQPSSCCSDPSKPGGNVEGATQSLAEQMRKIALESEGRPEEQMESDNCS
GGDDDWTHLSSKEVDPST GELQSLQMPSESGPSSLDPSQEGPTGLKEAALYPHLP
PEADPRLIESLSQMLSMGFSDDEGGWLTRLLQTK
NYDIGAALDTIQYSKHPPPLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	SQSTM1 sequestosome 1 [Homo sapiens (human)]
Official Symbol	SQSTM1
Synonyms	p60; p62; A170; DMRV; OSIL; PDB3; ZIP3; p62B; NADGP; FTDALS3
Gene ID	8878

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mRNA Refseq	NM_003900.5
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Protein Refseq	NP_003891.1
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MIM	601530
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UniProt ID	Q13501
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Coomassie blue staining of purified SQSTM1 protein.

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