

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human SQSTM1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	47.5 kDa
<b>AA Sequence</b>	MASLTVKAYLLGKEDAAREIRRFSCCSPEPEAEAEAAAAGPGPCERLLSRVAALFPA LRPGGFQAHYRDE DGDLVAFSSDEELTMAMSYVKDDIFRIYIKEKKECRRDHRPPC AQEAPRNMVHPNVICDGCNGPVGTRY KCSVCPDYDLCSVCEGKGLHRGHTKLAF PSPFGHLSEGFHSRWLRKVKKHGHWPGWEMGPPGNWSPRP PRAGEARPGPT AESASGPSVSVNFKNVGESVAAAALSPLGIEVDIDVEHGGKRSRLTPVSPESSST

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EE KSSSQPSSCCSDPSKPGGNVEGATQSLAEQMRKIALESEGRPEEQMESDNCS  
 GGDDDWTHLSSKEVDPST GELQSLQMPSESGPSSLDPSQEGPTGLKEAALYPHLP  
 PEADPRLIESLSQMLSMGFSDDEGGWLTRLLQTK  
 NYDIGAALDTIQYSKHPPPLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

## GENE INFORMATION

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

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mRNA Refseq [NM\\_003900.5](#)

Protein Refseq [NP\\_003891.1](#)

MIM [601530](#)

UniProt ID [Q13501](#)

Coomassie blue staining of purified SQSTM1 protein.

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