

Recombinant Human SQSTM1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SQSTM1-3257H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SQSTM1 MS Standard C13 and N15-labeled recombinant protein (NP_003891) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	47.7 kDa
AA Sequence	MASLTVKAYLLGKEDAAREIRRFSCCSPEPEAEAEAAAAGPGPCERLLSRVAALFPA LRPGGFQAHYRDEDGDLVAFSSDEELTMAMSYVKDDIFRIYIKEKKECRRDHRPPCA QEAPRNMVHPNVICDGCNGPVVGYTRYKCSVCPDYDLCSVCEGKGLHRGHTKLAFP SPFGHLSEGFSHSRWLRKVKHGHFGWPGWEMGPPGNWSPRPPRAGEARPGPTA ESASGPSEDPSVNFLLKNVGESVAAALSPLGIEVDIDVEHGGKRSRLTPVSPSSSTE EKSSSQPSSCCSDPSKPGGNVEGATQSLAEQMRKIALESEGRPEEQMESDNCSGG

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DDDWTHLSSKEVDPSTGELQSLQMPSESGPSSLDPSQEGPTGLKEAALYPHLPPEA
 DPRLESLSQMLSMGFSDEGGWLTRLLQTKNYDIGAALDTIQYSKHPPPLTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SQSTM1 sequestosome 1 [Homo sapiens (human)]

Official Symbol SQSTM1

Synonyms SQSTM1; sequestosome 1; OSIL, oxidative stress induced like, Paget disease of bone 3, PDB3; sequestosome-1; A170; p60; p62; p62B; EBIAP; EBI3-associated protein p60; oxidative stress induced like; ubiquitin-binding protein p62; EBI3-associated protein of 60 kDa; phosphotyrosine independent ligand for the Lck SH2 domain p62; phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa; OSIL; PDB3; ZIP3;

Gene ID 8878

mRNA Refseq NM_003900

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Protein Refseq NP_003891

MIM 601530

UniProt ID Q13501

SDS-PAGE



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