

Recombinant Human SQSTM1 protein, GST-tagged

Cat. No. SQSTM1-2945H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SQSTM1 protein(1-440 aa), fused with GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-440 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.
AA Sequence	MASLTVKAYLLGKEDAAREIRRFSCCSPEPEAEAEAAAAGPGPCERLLSRVAALFPA LRPGGFQAHYRDEDGDLVAFSSDEELTMAMSYVKDDIFRIYIKEKKECRRDHRPPCA QEAPRNMVHPNVICDGCNGPVVGTRYKCSVCPDYDLCSVCEGKGLHRGHTKLAFP SPFGHLSEGFSHSRWLRKVKHGHFGWPGWEMGPPGNWSPRPPRAGEARPGPTA ESASGPSEDPSVNFLKNVGESVAAAALSPLGIEVDIDVEHGGKRSRLTPVSPESSTE EKSSSQPSSCCSDPSKPGGNVEGATQSLAEQMRKIALESEGRPEEQMESDNCSSG DDDWTHLSSKEVDPSTGELQSLQMPSEGPSSLDPSQEGPTGLKEAALYPHLPPEA DPRLIESLSQMLSMGFSDEGGWLTRLLQTKNYDIGAALDTIQYSKHPPPL
Purity	75%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks).

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Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name

SQSTM1 sequestosome 1 [Homo sapiens]

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_001142298

Protein Refseq

NP_001135770

MIM

601530

UniProt ID

Q13501

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