

## SQSTM1 recombinant protein

SQSTM1, 1-356aa, Human, His tag, E Coli

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA11789</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

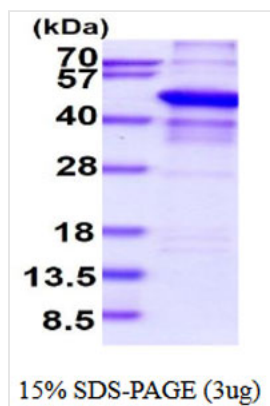
### PRODUCT SYNONYMS

SQSTM1; 1-356aa; Human; His tag; E Coli; Sequestosome 1; A170; OSIL; p60; p62; p62B; PDB3; ZIP3; Sequestosome 1 EBI 3 associated protein of 60 kDa; ZIP; ZIP 3; EBI3 associated protein of 60 kDa; EBIAP; MGC127197; ORCA.M530; OSF-6; Osi; Oxidative stress induced like; Paget disease of bone 3; PDB 3; Phosphotyrosine independent ligand for the Lck SH2 domain of 62 kDa; Phosphotyrosine independent ligand for the Lck SH2 domain p62; PKC-zeta-interacting protein; Protein kinase C-zeta-interacting protein; SQSTM 1; STAP; STONE14; ubiquitin binding protein p62; ; SQSTM1 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purity/Purification                                    | > 85% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format                                            | Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol 1mM DTT.                                                                                                                                                                                                                                                                                                                                                 |
| Concentration                                          | 1 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence                                               | MAMSYVKDDI FRIYIKEKKE CRRDHRPPCA QEAPRNMVHP NVICDGCNGP VVGTRYKCSV CPDYDLCSVC<br>EGKGLHRGHT KLAFPSPFGH LSEGFHSRW LRKVKHGHFG WPGWEMGPPG NWSRPPRAG EARPGPТАES<br>ASGPSEDPSV NFLKNVGESV AAALSPLGIE VDIVEHGGK RSRLTPVSPE SSSTEEKSSS QPSSCCSDPS<br>KPGGNVEGAT QSLAEQMRKI ALESEGRPEE QMESDNCSGG DDDWTHLSSK EVDPTGELQ SLQMPSEGP<br>SSLDPSQEGP TGLKEAALYP HLPPEADPRL IESLSQMLSM GFSDEGGWLT RLLQTKNYDI GAALDTIQYS<br>KHPPPLEHH HHHH |
| Sequence Length                                        | 356                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Applicable Applications for SQSTM1 recombinant protein | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage                                | Can be stored at 4°C short term (1-2 weeks).<br>For long term storage, aliquot and store at -20°C or -70°C.<br>Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SQSTM1 recombinant protein | SQSTM1 is an adapter protein which binds ubiquitin and regulates signaling cascades through ubiquitination. It may regulate the activation of NFkB1 by TNF-alpha, nerve growth factor (NGF) and interleukin-1 and play a role in titin/TTN downstream signaling in muscle cells. This protein also may be involved in cell differentiation, apoptosis, immune response and regulation of K+ channels. Mutations in the ubiquitin-associated (uBA) domain of the sequestosome 1 protein commonly cause Paget's disease since the uBA is necessary for aggregate sequestration and cell survival. Recombinant SQSTM1 protein, fused to His-tag at C-terminus, was expressed in E Coli and purified by using conventional chromatography techniques. |
| Product Categories/Family for SQSTM1 recombinant protein   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| References                                                 | Falchetti A., et al. (2004) J Bone Miner Res. 19 (6):1013-7.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------|
| NCBI GI #                        | 214830451                                                                                  |
| NCBI GeneID                      | 8878                                                                                       |
| NCBI Accession #                 | NP_001135771                                                                               |
| NCBI GenBank Nucleotide #        | NM_001142299.1                                                                             |
| UniProt Accession #              | Q13501; Q13446; Q9BUV7; Q9BVS6; Q9UEU1; A6NFN7; B2R661; B3KUW5                             |
| Molecular Weight                 | 39.7 kDa (364aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher) |
| NCBI Official Full Name          | sequestosome-1 isoform 2                                                                   |
| NCBI Official Synonym Full Names | sequestosome 1                                                                             |
| NCBI Official Symbol             | SQSTM1                                                                                     |
| NCBI Official Synonym Symbols    | p60; p62; A170; DMRV; OSIL; PDB3; ZIP3; p62B; NADGP; FTDALS3                               |
| NCBI Protein Information         | sequestosome-1                                                                             |
| UniProt Protein Name             | Sequestosome-1                                                                             |
| UniProt Gene Name                | SQSTM1                                                                                     |
| UniProt Synonym Gene Names       | ORCA; OSIL; EBIAP; p60                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sqstm1-recombinant-protein-e-coli-sds-page/11789>