

## 32-4953: Recombinant Human Sequestosome 1

**Alternative Name :** A170,OSIL,p60,p62,p62B,PDB3,ZIP3,EBIAP,ORCA,OSIL,SQSTM1.

### Description

Source : Escherichia Coli. SQSTM1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 264 amino acids (1-356 a.a.) and having a molecular mass of 39.7 kDa. SQSTM1 protein is fused to an 8 amino acid His-Tag at C-terminus and purified by standard chromatography. SQSTM1 is an adapter protein which binds ubiquitin and mediates the activation of NFKB1 by TNF- $\alpha$ , NGF and IL-1. SQSTM1 is involved in titin/TTN downstream signaling in muscle cells. SQSTM1 controls signaling cascades through ubiquitination. SQSTM1 participates in cell differentiation, apoptosis, immune response and regulation of K(+) channels. Mutations in UBA domain of the SQSTM1 protein cause Paget's disease because the UBA is essential for aggregate sequestration and cell survival.

### Product Info

<b>Amount :</b>	25 $\mu$ g
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	SQSTM1 Human solution containing 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MAMSYVKDDI FRIYI KEKKE CRRDHRPPCA QEAPRNMVHP NVICDGCNGP VVGTRYKCSV CPDYDLCSVC EGKGLHRGHT KLAFPSPFGH LSEGFHSRW LRKVKHGHFG WPGWEMGPPG NWSRPPRAG EARPGPTAES ASGPSEDPSV NFLKNVGESV AAALSPLGIE VDIDVEHGGK RSRLTPVSPE SSSTEEKSSS QPSSCCSDPS KPGGNVEGAT QSLAEQMRKI ALESEGRPEE QMESDNCSGG DDDWTHLSSK EVD PSTGELQ SLQMPSEGP SSLDPSQEGP TGLKEAALYP HLPPEADPRL IESLSQMLSM GFSDEGGWLT RLLQTKNYDI GAALDTIQYS KHPPPLEHH HHHH.

