

SQSTM1 Human

Description: 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.

Catalog #: PRPS-813

For research use only.

Synonyms: A170, OSIL, p60, p62, p62B, PDB3, ZIP3, EBIAP, ORCA, OSIL, SQSTM1.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MAMSYVKDDI FRIYIKEKKE CRRDHRPPCA QEAPRNMVHP
NVICDGCNGP VVGTRYKCSV CPDYDLCSVC EGKGLHRGHT KLAFSPFGH LSEGFHSRW
LRKVKHGHFG WPGWEMGPPG NWSRPPRAG EARPGPTAES ASGPSEDPSV NFLKNVGESV
AAALSPLGIE VDIDVEHGGK RSRLTPVSPE SSSTEEKSSS QPSSCCSDPS KPGGNVEGAT
QSLAEQMRKI AL

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

SQSTM1 Human solution containing 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

SQSTM1 is an adapter protein which binds ubiquitin and mediates the activation of NFκB1 by TNF-α, 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 Pagets disease because the UBA is essential for aggregate sequestration and cell survival.

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