

Recombinant Human SQSTM1 293 Cell Lysate

Cat. No. SQSTM1-1481HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for sequestosome 1 (SQSTM1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

Chromosome Location

5q35

Pathway

Cell death signalling via NUAGE, NRIF and NADE, organism-specific biosystem;

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Cytokine Signaling in Immune system, organism-specific biosystem; IL1-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Interleukin-1 signaling, organism-specific biosystem; NF-kB is activated and signals survival, organism-specific biosystem; NRIF signals cell death from the nucleus, organism-specific biosystem;

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