

Recombinant Human SQSTM1 293 Cell Lysate

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

SPECIFICATION

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.
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

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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 NRAGE, NRIF and NADE, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; IL1-mediated signaling events, organism-specific biosystem; Immune System, organism-specific


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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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