

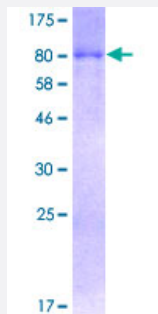
Full-Length

SQSTM1 (Human) Recombinant Protein (P01)

Catalog # H00008878-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SQSTM1 full-length ORF (AAH03139.1, 1 a.a. - 440 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASLTVKAYLLGKEDAAREIRRFSCCSPEPEAEAEAAAGPGPCERLLSRVAALFPALRPGGFQ
AHYRDEDGDLVAFSSDEELTMAMSYVKDDIFRYMKEKKECRRDHRPPCAQEAPRNMVHPNVICD
GCNGPVVGTRYKCSVCPDYDLCVCEGKGLHRGHTKLAFPSPFGHLSEGFSSRWLRKVKHGH
FGWPGWEMGPPGNWSPRPPRAGEARPGPTAESASGPSEDPSVNFLKNVGESVAAALSPLGIE
VDIDVEHGGKRSRLTPVSPESSSTEEKSSSQPSSCCSDPSKPGGNVEGATQSLAEQMRKIALES
EGRPEEQMESDNCSSGDDDDWTHLSSKEVDPSTGELQSLQMPSESGPSSLDPSQEGPTGLKEA
ALYPHLPPEADPRLIESLSQMLSMGFSDEGGWLTRLLQTKNYDIGAALDTIQYSKHPPPL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.14

Interspecies Antigen Sequence

Mouse (90); Rat (90)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SQSTM1

Entrez GeneID	8878
GeneBank Accession#	BC003139
Protein Accession#	AAH03139.1
Gene Name	SQSTM1
Gene Alias	A170, OSIL, PDB3, ZIP3, p60, p62, p62B
Gene Description	sequestosome 1
Omim ID	601530 602080
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF-κB) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF-κB in response to upstream signals. Alternatively spliced transcript variants encoding either the same or different isoforms have been identified for this gene. Mutations in this gene result in sporadic and familial Paget disease of bone. [provided by RefSeq]
Other Designations	EBI3-associated protein p60 Paget disease of bone 3 oxidative stress induced like phosphotyrosine independent ligand for the Lck SH2 domain p62 ubiquitin-binding protein p62

Publication Reference

- [Extracellular SQSTM1 mediates bacterial septic death in mice through insulin receptor signalling.](#)

Borong Zhou, Jiao Liu, Ling Zeng, Shan Zhu, Haichao Wang, Timothy R Billiar, Guido Kroemer, Daniel J Klionsky, Herbert J Zeh, Jianxin Jiang, Daolin Tang, Rui Kang.

Nature Microbiology 2020 Dec; 5(12):1576.

Application: Human, Thp-1 cell

Disease

- [Genetic Predisposition to Disease](#)
- [Multiple System Atrophy](#)
- [Osteitis Deformans](#)
- [Tobacco Use Disorder](#)