

Product datasheet for **TP506359**

Sqstm1 (BC006019) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse sequestosome 1 (cDNA clone MGC:5968 IMAGE:3487289), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR206359 protein sequence
Red=Cloning site **Green**=Tags(s)

MASFTVKAYLLGKEEATREIRRFSCFCFSPEPEAEQAAGPGPCERLLSRVAVLFPTLRPGGFQAHYRDE
DGDLVAFSSDEELTMAMSYVKDDIFRIYIKEKKECRREHRPPCAQEAPRNMVHPNVICDGCNGPVVGTTRY
KCSVCPDYDLCSVCEGKGLHREHSLIFPNPFGHLSDFSFSRWRKLRKLGHFGWPGWEMGPPGNWSPRP
PRAGDGRPCPTAESASAPPEDPNVNFLKNVGESVAAALSPLGIEVDIDVEHGGKRSRLTPTTPESSSTGT
EDKSNTQPSSCSSEVSKPDGAGEGPAQSLTEQMKKIALESVGPPEEQMESGNCSSGGDDDWTHLSSKEVDP
STEADPRLIESLSQMLSMGFSDDEGGWLRLLQTKNYDIGAALDTIQYSKHPPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 44.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Locus ID: 18412

UniProt ID: [Q64337](#)

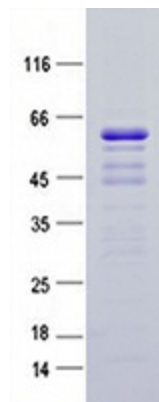
RefSeq Size: 2013



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Cytogenetics:	11 B1.3
RefSeq ORF:	1212
Synonyms:	A170, STAP, OSF-6, p62
Summary:	<p>Autophagy receptor required for selective macroautophagy (aggrephagy). Functions as a bridge between polyubiquitinated cargo and autophagosomes. Interacts directly with both the cargo to become degraded and an autophagy modifier of the MAP1 LC3 family. Required both for the formation and autophagic degradation of polyubiquitin-containing bodies, called ALIS (aggresome-like induced structures) and links ALIS to the autophagic machinery. Involved in midbody ring degradation (By similarity). May regulate the activation of NFKB1 by TNF-alpha, nerve growth factor (NGF) and interleukin-1. May play a role in titin/TTN downstream signaling in muscle cells. May regulate signaling cascades through ubiquitination. Adapter that mediates the interaction between TRAF6 and CYLD (PubMed:14960283, PubMed:18382763). May be involved in cell differentiation, apoptosis, immune response and regulation of K(+) channels. Involved in endosome organization by retaining vesicles in the perinuclear cloud: following ubiquitination by RNF26, attracts specific vesicle-associated adapters, forming a molecular bridge that restrains cognate vesicles in the perinuclear region and organizes the endosomal pathway for efficient cargo transport (By similarity). Promotes relocalization of 'Lys-63'-linked ubiquitinated TMEM173/STING to autophagosomes (By similarity).[UniProtKB/Swiss-Prot Function]</p>

Product images:



Purified recombinant protein Sqstm1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.