

Product datasheet for PH303214

SQSTM1 (NM_003900) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SQSTM1 MS Standard C13 and N15-labeled recombinant protein (NP_003891)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203214
Predicted MW:	47.7 kDa
Protein Sequence:	>RC203214 protein sequence Red=Cloning site Green=Tags(s)

MASLTVKAYLLGKEDAAREIRRFSCCSPEPEAEAEAAAGPGPCERLLSRVAALFPALRPGGFQAHYRDE
DGDVAFSSDEELTMAMSYVKDDIFRIYIKEKKECRRDHRPPCAQEAPRNMVHPNVIDCGCNGPVVVGTRY
KCSVCPDYDLCSVCEGKGLHRGHTKLAFPSPFGHLSEGFSHRWLRKVKHGHFGWPGWEMGPPGNWSPRP
PRAGEARPGPTAESASGPSEDPSVNFLKNVGESVAAAALSPLGIEVDIDVEHGGKRSRLTPVSPESSSTEE
KSSSQPSSCCSDPSKPGGNVEGATQSLAEQMRKIALESEGRPEEQMESDNCSSGGDDDWTHLSSKEVDPST
GELQSLQMPSEGPSSLDPSQEGPTGLKEAALYPHLPPEADPRLIESLSQMLSMGFSDGEGWLTRLLQTK
NYDIGAALDTIQYSKHPPPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003891</u>
RefSeq Size:	2923
RefSeq ORF:	1320
Synonyms:	A170; DMRV; FTDALS3; NADGP; OSIL; p60; p62; p62B; PDB3; ZIP3



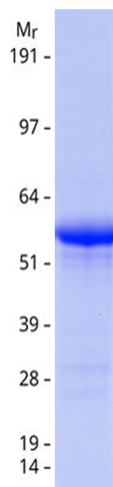
[View online »](#)

Locus ID: 8878
UniProt ID: [Q13501](#)
Cytogenetics: 5q35.3

Summary: This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF- κ B) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF- κ B 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, Mar 2009]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified SQSTM1 protein (Cat# [TP303214]). The protein was produced from HEK293T cells transfected with SQSTM1 cDNA clone (Cat# [RC203214]) using MegaTran 2.0 (Cat# [TT210002]).