

Product datasheet for TP304322M

MALT1 (NM_173844) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens mucosa associated lymphoid tissue lymphoma translocation gene 1 (MALT1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204322 representing NM_173844 Red=Cloning site Green=Tags(s)

MSLLGDPLQALPPSAAPTGPLLAPPAGATLNRLREPLLRRLSELLDQAPEGRGWRRRLAELAGSRGRLRLS
CLDLEQCSLKVLEPEGSPSLCLLKLMEGKCTVTELSDFLQAMEHTEVLQLLSPPGKITYNPNESKAVLA
GQFVKLCCRATGHPFVQYQWFKMNKEIPNGNTSELIFNAVHVKDAGFYVCRVNNNFTFEFSQWSQLDVCV
IPESFQRSVDGVSESKLQICVEPTSQKLMPGSTLVLQCVAVGSPIPHYQWFKNELPLTHETKKLYMVPYV
DLEHQGTYWCHVYNDRDSQDSKKVEIIIDELNNLGHDPNKEQTTDQPLAKDKVALLIGNMNYREHPKLKA
PLVDVYELTNLLRQLDFKVVSLDLTEYEMRNAVDEFLLLLDKGVYGLLYAGHGYENFGNSFMVPVDAP
NPYRSENLQVQNILKLMQEKETGLNVFLDMCRKRNDYDDTIPILDALKVTANIVFGYATCQGAFAFEI
QHSGLANGIFMKFLKDRILLEDKKITVLLDEVAEDMGKCHLTGKGQALEIRSSLSEKRALDPIQGTEYSA
ESLVRNLQWAKAHELPEMCLKFDCGVQIQLGFAAEFSNVMIIYTSIVYKPEIIMCDAYVDFPLDLDI
DPKDANKGTPEETGSYLVSKDLPKHCLYTRLSSLQKLKEHLVFTVCLSYQYSGLEDTVEDKQEVNVGKPL
IAKLDMHRGLGRKTCFQTCLMSNGPYQSSAATSGGAGHYHSLQDPFHGVYHSHPGNPSNVTPADSCHCSR
TPDAFISSFAHHASCHFSRSNVPVETTDEIPFSFSDRLRISEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

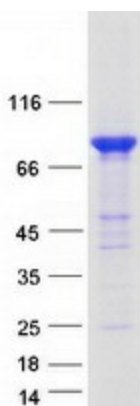
Tag:	C-Myc/DDK
Predicted MW:	90.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_776216
Locus ID:	10892
UniProt ID:	Q9UDY8 , A8K5S1
RefSeq Size:	4996
Cytogenetics:	18q21.32
RefSeq ORF:	2439
Synonyms:	IMD12; MLT; MLT1; PCASP1
Summary:	This gene encodes a caspase-like protease that plays a role in BCL10-induced activation of NF-kappaB. The protein is a component of the CARMA1-BCL10-MALT1 (CBM) signalosome that triggers NF-kappaB signaling and lymphocyte activation following antigen-receptor stimulation. Mutations in this gene result in immunodeficiency 12 (IMD12). This gene has been found to be recurrently rearranged in chromosomal translocations with other genes in mucosa-associated lymphoid tissue lymphomas, including a t(11;18)(q21;q21) translocation with the baculoviral IAP repeat-containing protein 3 (also known as apoptosis inhibitor 2) locus [BIRC3(API2)-MALT1], and a t(14;18)(q32;q21) translocation with the immunoglobulin heavy chain locus (IGH-MALT1). Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2018]
Protein Families:	Druggable Genome, Protease
Protein Pathways:	B cell receptor signaling pathway, T cell receptor signaling pathway

Product images:



Coomassie blue staining of purified MALT1 protein (Cat# [TP304322]). The protein was produced from HEK293T cells transfected with MALT1 cDNA clone (Cat# [RC204322]) using MegaTran 2.0 (Cat# [TT210002]).