

Product datasheet for TP510262

Mpo (NM_010824) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse myeloperoxidase (Mpo), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR210262 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MKLLLALAGLLAPLAMLQTSNGATPALLGEVENSVLSCMEEAKQLVDRAYKERRESIKRSLQSGSASPT
ELLFYFKQPVAGTRTAVRAADYLHVALDLLKRKQLWPRPFNVTDVLTPAQLNLLSVSSGCAYQDVRVT
CPPNDKYRTITGHCNRRSPTLGASNRAFVRWLPAEYEDGVSMFPGWTPGVNRNGFKVPLARQVSNVAVR
FPNDQLTKDQERALMFMQWGQFLDHDITLTPEPATRFSFFTGLNCETSCLQQPPCFPLKIPPNDPRIKNQ
KDCIPFFRSCPACTRNNITIRNQINALTSFVDASGVYGEDPLARKLRNLTNQLGLLAINTRFQDNGRAL
MPFDSLHDDPCLLTNRSARIPCFLAGDMRSSEMPELTSMHTLFVREHNRLATQLKRLNPRWNGEKLYQEA
RKIVGAMVQIITYRDYLPVLVLPAAAMKQYLPQYRSYNDSDPRIANVFTNAFRYGHYLIQPFMFRLLNNQY
RPTGPNPRVPLSKVFFASWRVLEGGIDPILRGLMATPAKLNQRQNVVDEIRERLFEQVMRIGLDLPAL
NMQRSRDHGLPGYNWRRFCGLPQPSTVGGELGTVLKNELELARKLMAQYGTNNIDIWGGVSEPLEPNGR
VGQLLAQLIGTQFRKLRDGRFVWENPGVFSKQQRQALASISLPRICDNTGITTVSKNNIFMSNTYPRD
FVSCNTLPKLNLTWSKET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	81.2 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.



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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_034954
Locus ID:	17523
UniProt ID:	P11247 , Q7TMS4 , Q571G0
RefSeq Size:	2570
Cytogenetics:	11 C
RefSeq ORF:	2157
Synonyms:	mKIAA4033
Summary:	Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity.[UniProtKB/Swiss-Prot Function]