

Product datasheet for **TP318093M**

Lactoperoxidase (LPO) (NM_006151) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human lactoperoxidase (LPO), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218093 representing NM_006151 Red=Cloning site Green=Tags(s)

MRVLLHLPALLASLILLQAAASTTRAQTTRTSAISDTVSQAKVQVNKAFLDSRTRLKTAMSSETPTSRQL
SEYLKHKAGRTRTAIRNGQWWEESLKRLRQKASLTNVTDPSLDLTSLSLEVGCGAPAPVVRCDPCSPYRT
ITGDCNNRRKPALGAANRALARWLPAEYEDGLSLPFGWTPGKTRNGFPLPLAREVSNKIVGYLNEEGVLD
QNRSLLFMQWGQIVDHDLDFAFDTELGSSEYSKAQCDEYCIQGDNCFPIMFPPNDPKAGTQGKCMPPFRA
GFVCTPPYKSLAREQINALTSFLDASVYSSEPLASRLRNLSPLGLMAVNQEVS DHGLPYLPYDSKK
PSPCEFINTTARVPCFLAGDSRASEHILLATSHTLFLREHNRLARELKRLNPQWDGEKLYQEARKILGAF
VQIITFRDYLPILLGDHMQKWIPPYQGYSESVDPRISNVFTFAFRFGHLEVPSSMFRLDENYQPWGPPEPE
LPLHTLFFNTWRMVKDGGIDPLVRGLLAKKSKLMKQNKMMTGELRNKLFQPTHRIHGFDLAAINTQRCD
HGQPGYNSWRAFCDLSQPQTLEELNTVLKSKMLAKKLLGLYGTDPNDIWIWIAIEPLVERGRVGPLLAC
LLGKQFQQIRDGDRFWWENPGVFTNEQKDSLQKMSFSRLVCDNTRITKVPRDPFWANSYPYDFVDCSAID
KLDLSPWASVKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

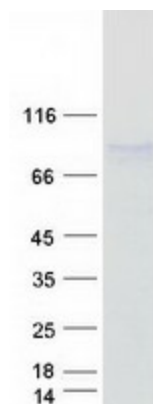
Tag:	C-Myc/DDK
Predicted MW:	77.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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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_006142
Locus ID:	4025
UniProt ID:	P22079
RefSeq Size:	2918
Cytogenetics:	17q22
RefSeq ORF:	2136
Synonyms:	SPO
Summary:	This gene encodes a member of the peroxidase family of proteins. The encoded preproprotein is proteolytically processed to generate the mature enzyme. Following its secretion from salivary, mammary, and other mucosal glands, this enzyme catalyzes the generation of the antimicrobial substance hypothiocyanous acid. This gene is present in a gene cluster on chromosome 17. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016]
Protein Families:	Druggable Genome, Secreted Protein

Product images:



Coomassie blue staining of purified LPO protein (Cat# [TP318093]). The protein was produced from HEK293T cells transfected with LPO cDNA clone (Cat# [RC218093]) using MegaTran 2.0 (Cat# [TT210002]).