

Recombinant Full Length Human LPO Protein, C-Flag-tagged

Cat. No. LPO-904HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human LPO Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	77.5 kDa
AA Sequence	MRVLLHLPALLASLILLQAAASTTRAQTTRTSAISDTVSAKVQVNKAFLDSRTRLKT AMSSETPTSRL SEYLBHAKGRTRTAIRNGQVWEESLKRLRQKASLTNVTDPDL TSLSLEVGCAPAPVVRCDPCSPYRT ITGDCNNRRKPALGAANRALARWLPAEYE DGLSLPFGWTPGKTRNGFPLPLAREVSNKIVGYLNEEGVLD QNRSLLFMQWGQIV DHDLDFAFDTELGSSEYSKAQCDEYCIQGDNCFPIMFPPNDPKAGTQGKCMPPFRA GFVCPTPPYKSLAREQINALTSFLDASFVYSSEPSLASRLRNLSPLGLMAVNQEV

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DHGLPYLPYDSKK PSPCEFINTTARVPCFLAGDSRASEHILLATSHTLFLREHNRLAR
 ELKRLNPQWDGEKLYQEARKILGAF VQIITFRDYLPIILLGDHMQKWIPPYQGYSES
 DPRISNVFTFAFRFGHLEVPSSMFRLDENYQPWGPEPE LPLHTLFFNTWRMVKDG
 GIDPLVRGLLAKKSKLMKQNKMMTGELRNKLFQPTHRIHGFDLAAINTQRCRD HGQ
 PGYNSWRAFCDLSPQQTLEELNTVLKSKMLAKKLLGLYGTPDNIDIWIGAIAPLVER
 GRVGPLLAC LLGKQFQQIRDGDRFWWENPGVFTNEQKDSLQKMSFSRLVCDNTRI
 TKVPRDPFWANSYPYDFVDCSAID
 KLDLSPWASVKNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Full Length	Full L.

GENE INFORMATION

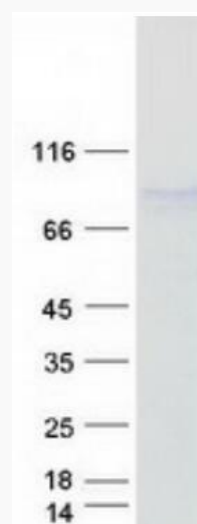
Gene Name	LPO lactoperoxidase [Homo sapiens (human)]
Official Symbol	LPO

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Synonyms	SPO
Gene ID	4025
mRNA Refseq	NM_006151.3
Protein Refseq	NP_006142.1
MIM	150205
UniProt ID	P22079



Coomassie blue staining of purified LPO protein.