

Recombinant Human LPO Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LPO-4042H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LPO MS Standard C13 and N15-labeled recombinant protein (NP_006142) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	80.29 kDa
AA Sequence	MRVLLHLPALLASLILLQAAASTTRAQTTRTSAISDTVSAKVQVNKAFLDSRTRLKT AMSETPTSRQLSEYLKHAKGRTRTAIRNGQVWEESLKRLRQKASLTNVTDPISDL TSLSLEVGCAPVVRCDPCSPYRTITGDCNNRRKPAALGAANRALARWLPAEYED GLSLPFGWTPGKTRNGFPLPLAREVSNKIVGYLNEEGVLDQNRSLFMQWGQIVDH DLDFAPDTELGSSSEYSKAQCDEYCIQGDNCFPIMFPPNDPKAGTQGKCMPPFFRAGF VCPTPPYKSLAREQINALTSFLDASFVYSSEPSLASRLRNLSPLGLMAVNQEVSDH

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GLPYLPYDSKKPSPCEFINTTARVPCFLAGDSRASEHILLATSHTLFLREHNRLAREL
 KRLNPQWDGEKLYQEARKILGAFVQIITFRDYLPILLGDHMQKWIPPYQGYSESVDP
 RISNVFTFAFRFGHLEVPSSMFRLDENYQPWGPEPELPLHTLFFNTWRMVKDGGID
 PLVRGLLAKKSKLMKQNKMMTGELRNKLFQPTHRIHGFDLAAINTQRCRDHGQPGY
 NSWRAFCDLSPQQTLEELNTVLKSKMLAKLLGLYGTPDNIDIWIGAI AEPLVERGRV
 GPLLACLLGKQFQQIRDGDRFWWENPGVFTNEQKDSLQKMSFSRLVCDNTRITKVP
 RDPFWANSYPYDFVDCSAIDKLDLSPWASVKNTRTRPLEQKLISEEDLAANDILDYK
 DDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	LPO lactoperoxidase [Homo sapiens (human)]
Official Symbol	LPO
Synonyms	LPO; lactoperoxidase; SPO; salivary peroxidase; MGC129990; MGC129991;
Gene ID	4025
mRNA Refseq	NM_006151

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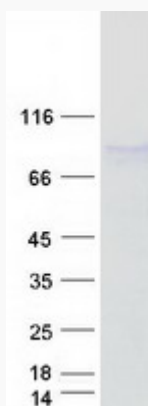
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Protein Refseq NP_006142

MIM 150205

UniProt ID P22079

SDS-PAGE



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