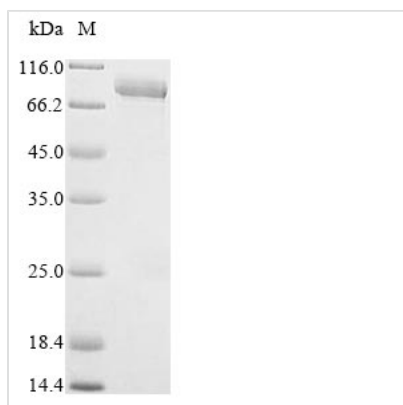




Recombinant Human Lactoperoxidase (LPO)

Product Code	CSB-MP013066HU
Relevance	Antimicrobial agent which utilizes hydrogen peroxide and thiocyanate (SCN) to generate the antimicrobial substance hypothiocyanous acid (HOSCN). May contribute to airway host defense against infection.
Abbreviation	Recombinant Human LPO protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P22079
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	<p>TRTAIRNGQVWEESLKRLRQKASLTNVTDPSLDLTSLSLEVCGGAPAPVVRCD PCSPYRTITGDCNNRRKPALGAANRALARWLP AEYEDGLSLPFGWTPGKTRN GFPLPLAREVSNKIVGYLNEEGVLDQNRSLLFMQWGQIVDHDLDLDFAPDELGS SEYSKAQCDEYCIQGDNCFPIMFPPNDPKAGTQGKCMPPFFRAGFVCPTPPYK SLAREQINALTSFLDASFVYSSEPSLASRLRNLSPLGLMAVNQEVS DHGLPYL PYDSKKPSPCEFINTTARVPCFLAGDSRASEHILLATSHTLFLREHNRLARELK RLNPQWDGEKLYQEAR KILGAFVQIITFRDYLPILLGDHMQKWIPPYQGYSESV DPRISNVFTFAFRFGHLEVPSSMFRLDENYQPWGPEPELPLHTLFFNTWRMV KDGGIDPLVRGLLAKKSKLMKQNKMMTGELRNKLFQPTHRIHGFDLAAINTQR CRDHGQPGYNSWRAFCDLSQPQTLEELNTVLKSKMLAKKLLGLYGTDPNIDI WIGAIAEPLVERGRVGPLLACLLGKQFQQIRDGDRFWWENPGVFTNEQKDSL QKMSFSRLVCDNTRITKVPRDPFWANSYPYDFVDCSAIDKLDLSPWASVKN</p>
Research Area	Others
Source	Mammalian cell
Target Names	LPO
Protein Names	Salivary peroxidase Short name: SPO SAPX
Expression Region	81-712aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	76.6 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.