

Lactoperoxidase/LPO Protein, Human, Recombinant (His & Myc)

General Information

Synonyms: LPO;SAPX;Salivary peroxidase (SPO);Lactoperoxidase

Protein Construction: 81-712 aa

Species: Human

Expression Host: HEK293 Cells

Accession: P22079

Molecular Weight: 76.6 kDa (predicted)

AA Sequence: TRTAIRNGQVWEESLKRLRQKASLTNVTDPSLDLTSLSLSEVGC GAPAPVVRCDPCSPYRTITGDCNNRRKPAL
GAANRALARWLP AEYEDGLSLPFGWTPGKTRNGFPLPLAREVSNKIVGYLNEEGVLDQNRSLLFMQWGQIV
DHDLD FAPDTELG SSEYSKAQCDEYCIQGDNCFPIMFPPNDPKAGTQGKCMPPFFRAGFVCPTPPYKSLAREQI
NALT SFLDASFVYSSEPSLASRLRNLSPLGLMAVNQEVSDHGLPYLPYDSKKPSPCFINTTARVPCFLAGDS
RASEHILLATSHTLFLREHNRLARELKRNLNPQWDGEEKLYQEARKILGAFVQIITFRDYLPILLGDHMQKWIPPYQ
GYSESVDPRISNVFTFAFRFGHLEVPSSMFRLDENYQPWGPEPELPLHTLFFNTWRMVKDGIDPLVRGLLAK
KSKLMKQNKMMTGELRNKLFQPTHRIHGFDLAAINTQRCDHGGQPGYNSWRAFCDSLQPQTLEELNNTVLKS
KMLAKKLLGLYGTDPNIDIWIGAI AEPLVERGRVGP LLACL LGKQFQQIRDGDRFWWENPGVFTNEQKDSLQ
KMSFSRLVCDNTRITKVRDPFWANSYPYDFVDCSAIDKLDLSPWASVKN

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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