

Proopiomelanocortin Human Recombinant

Item Number	rAP-4322
Synonyms	Pro-opiomelanocortin, POMC, Corticotropin-lipotropin, LPH, MSH, NPP, POC, ACTH, CLIP.
Description	POMC produced in E.Coli is a single, non-glycosylated polypeptide chain containing 262 amino acids (27-267 a.a) and having a molecular mass of 28.9kDa (molecular weight on SDS-PAGE will appear higher).POMC is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic
Uniprot Accession Number	P01189
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MWCLESSQCQ DLTTESNLE CIRACKPDLS AETPMFPGNG DEQPLTENPR KYVMGHFRWD RFGRNRSSSS GSSGAGQKRE DVSAGEDCGP LPEGGPEPRS DGAKEGPGREG KRSYSMEHFR WGKPVGKKRR PVKVYPNGAE DESAEAFPLE FKRELTGQRL REGDGPDPGA DDGA-GAQADL EHSLLVAAEK KDEGPYRMEH FRWGSPPKDK RYGGFMTSEK SQTPLVTLFK NAIKNAYKK GE.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	POMC protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50% glycerol and 0.2M NaCl. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**