

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

LOX, 169-417aa, Human, His tag, E.coli

产品货号: TP02840

第三版

别名:Protein-lysine 6-oxidase, Lysyl oxidase

描述:LOX is an extracellular copper enzyme that initiates the crosslinking of collagens and elastin. The enzyme catalyzes oxidative deamination of the epsilon-amino group in certain lysine and hydroxylysine residues of collagens and lysine residues of elastin. In addition to crosslinking extracellular matrix proteins, the encoded protein may have a role in tumor suppression. Defects in this gene are a cause of autosomal recessive cutis laxa type I (CL type I). Two transcript variants encoding different isoforms have been found for this gene. Recombinant human LOX protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

分子量:31.4 kDa (272aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSDDPYNPYKYSDDNPYYNYDITYERPRPGGRYRPGYGTGYFQYGLPDLVADPYYIQ
ASTYVQKMSMYNLRCAAEEENCLASTAYRADVRDYDHRVLLRFPQRVKNQGTSDFLPSRPRYSWEWHSCHQHYHSMDE
FSHYDLLDANTQRRVAEGHKASFLEDTSCDYGYHRRFACTAHTQGLSPGCYDTYGADIDCQWIDITDVKPGNYILKVS
VNPSYLVPESDYTNNVVRCDIRYTGHHAYASGCTISPY

纯度:> 95% by HPLC

浓度:1 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.