

Recombinant Full Length Human LOXL4 Protein, GST-tagged

Cat. No. LOXL4-577HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human LOXL4 fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	756 amino acids
Description	This gene encodes a member of the lysyl oxidase gene family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyses the first step in the formation of crosslinks in collagens and elastin. A highly conserved amino acid sequence at the C-terminus end appears to be sufficient for amine oxidase activity, suggesting that each family member may retain this function. The N-terminus is poorly conserved and may impart additional roles in developmental regulation, senescence, tumor suppression, cell growth control, and chemotaxis to each member of the family.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	110.9 kDa
AA Sequence	MAWSPPATLF LFLLLLGQPP PSRPQSLGTT KLRLVGPESK PEEGRLEVLH QGQWGTVCDD NFAIQEATVA CRQLGFEEAL TWAHSAKYGQ GEGPIWLDNV

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RCVGTESSLD QCGSNGWGVV DCSHSEDVGV ICHPRRHRGY LSETVSNALG
 PQGRRLEEVV LKPILASAKQ HSPVTEGAVE VKYEGHWVRQV CDQGWMTMNS
 RVVCGMLGFP SEVPVDSHYY RKVWDLKMRD PKSRLKSLTN KNSFWIHQVT
 CLGTEPHMAN CQVQVAPARG KLRPACPGGM HAVVSCVAGP HFRPPKTRPQ
 RKGSWAEVPR VRLRSGAQVG EGRVEVLMNR QWGTVCDFHW NLISASVVCV
 QLGFGSAREA LFGARLGQGL GPIHLSEVRC RGYERTLSDC PALEGSQNGC
 QHENDAAVRC NVPMNGFQNV VRLAGGRIPE EGLLEVQVEV NGVPRWGSVC
 SENWGLTEAM VACRQLGLGF AIHAYKETWF WSGTPRAQEV VMSGVRCSGT
 ELALQQCQRH GPVHCSHGGG RFLAGVSCMD SAPDLMVNAQ LVQETAYLED
 RPLSQLYCAH EENCLSKSAD HMDWPYGYRR LLRFSTQIYN LGRTDFRPKT
 GRDSWVWHQC HRHYHSIEVF THYDLLTLNG SKVAEGHKAS FCLEDTCNPT
 GLQRRYACAN FGEQGVTVGC WDTYRHDIDC QWVDITDVGP GNYIFQVIVN
 PHYEVAESDF SNNMLQCRCK YDGHVWLHN CHTGNSYPAN AELSLEQEQR
 LRNNLI

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

LOXL4 lysyl oxidase-like 4 [Homo sapiens]

Official Symbol

LOXL4

Synonyms

LOXL4; lysyl oxidase-like 4; lysyl oxidase homolog 4; FLJ21889; LOXC; lysyl oxidase
 related C; lysyl oxidase-like protein 4; lysyl oxidase-like 4 pseudogene; lysyl oxidase-
 related protein C

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Gene ID	84171
mRNA Refseq	NM_032211
Protein Refseq	NP_115587
MIM	607318
UniProt ID	Q96JB6

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