

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 QCGSNGWGV S DCSHSEDVGV ICHPRRHRGY LSETVSNALG
 PQGRRLEEV R LKPILASAKQ HSPVTEGAVE VKYEGHW RQV CDQGWTMNNS
 RVVCGMLGF SEVPVDSHY R KVVWDLKMRD PKSRLKSLTN KNSFWIHQVT
 CLGTEPHMAN CQVQVAPARG KLRPACPGGM HAVVSCVAGP HFRPPKTRPQ
 RKGSWAE EPR VRLRSGAQVG EGRVEVLMNR QWGTVCDHRW NLISASVVC R
 QLGFGSAREA LFGARLGQGL GPIHLSEVRC RGYERTLSDC PALEGSQNGC
 QHENDAAVRC NVPNM G FQNNQ VRLAGGR IPE EGLLEVQVEV NGVPRWGSVC
 SENWGLTEAM VACRQLGLGF AIHAYKETWF WSGTPRAQEV VMSGVRCSGT
 ELALQQCQRH GPVHC SHGGG RFLAGVSCMD SAPDLMNAQ LVQETAYLED
 RPLSQLYCAH EENCLSKSAD HMDWPYGYRR LLRFSTQIYN LGRTDFRPKT
 GRDSWVWHQC HRHYHSIEVF THYDLLTLNG SKVAEGHKAS FCLED TNCP T
 GLQRRYACAN FGEQGVTVGC WDTYRHDIDC QWVDITDVGP GNYIFQVIVN
 PHYEVAESDF SNNMLQCRCK YDGH RVWLHN 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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