

Recombinant Human LOXL2 Protein, Fc-tagged

Cat. No. LOXL2-797H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LOXL2 protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	774
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	Lyophilized
Molecular Mass	111.6 kDa
AA Sequence	MERPLCSHLCSCLAMLALLSPLSLAQYDSWPHYPEYFQQPAPEYHQPQAPANVAKI QLRLAGQKRKHSEGRVEVYYDGQWGTVCDDDFSIIHAAHVVCRELGYVEAKSWTAS SSYGKGEGPIWLDNLHCTGNEATLAACTSNNGWGVTDCKHTEDVGVVCSDKRIPGF

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 45-1 Ramsey Road, Shirley, NY 11967, USA

KFDNSLINQIENLNIQVEDIRIRAILSTYRK RTPVMEGYVEVKEGKTWKQICDKHWTAK
 NSRVVCGMFGFPGERTYNTKVYKMFASRRKQRYWPFSDCTGTEAHISSCKLGPQ
 VSLDPMKNVTCENGLPAVVSCVPGQVFSPDGP SRFRKAYKPEQPLVRLRGGAYIGE
 GRVEVLKNGEWGTV CDDKWDLV SASVVCRELGFSGAKEAVTGSRLGQGIGPIHLN
 EIQCTGNEKSIIDCKFNAESQGCNHEEDAGVRCNTPAMGLQKKLRLNGGRNPYEGR
 VEVLVERNGSLVWGMVCGQNWGIVEAMVVC RQLGLGFASNAFQETWYWHGDVN
 SNKVVMMSGVKCSGTELSLAHCRHDGEDVACPQGGVQYGAGVACSETAPDLVLNAE
 MVQQTTYLED RPFMLQCAMEENCL SASAAQTDPTTGYRLLRFSSQIHNNGQSD
 FRPKNGRHAWIWDCHRHYSMEVFTHYDLLNLNGTKVAEGHKASF CLEDTECEG
 DIQKNYECANFGDQGITMGCWDMYRHDIDCQWVDITDVPPGDYLFQVVINPNFEVA
 ESDYSNNIMKCRSRYDGHRIWMYNCHIGGSFSEETEK KFEHFSGLLNNQLSPQ

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).
 After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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GENE INFORMATION

Gene Name	LOXL2 lysyl oxidase-like 2 [Homo sapiens (human)]
Official Symbol	LOXL2
Synonyms	LOXL2; lysyl oxidase-like 2; lysyl oxidase homolog 2; WS9 14; lysyl oxidase related 2; lysyl oxidase-like protein 2; lysyl oxidase-related protein 2; lysyl oxidase-related protein WS9-14; LOR2; WS9-14;
Gene ID	4017
mRNA Refseq	NM_002318
Protein Refseq	NP_002309
MIM	606663
UniProt ID	Q9Y4K0

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