

## Active Recombinant Human LOXL2 protein, His-tagged

**Cat. No.** LOXL2-0368H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LOXL2 protein(Gln26-Gln774), fused with His tag, was expressed in HEK293.                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 26-774 a.a.                                                                                                                                                                                           |
| <b>Form</b>             | Supplied as 0.2 µm filtered solution in 20 mM MES, 50 mM NaCl, pH6.5 with trehalose as protectant.                                                                                                    |
| <b>Bio-activity</b>     | BioactivityMeasured by its ability to produce hydrogen peroxide during the oxidation of benzylamine. The specific activity is >5 pmol/min/µg.                                                         |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 86.0 kDa. The protein migrates as 100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Proteinlength</b>    | Gln26-Gln774                                                                                                                                                                                          |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                            |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.                                                                                                                                                                       |

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|                       |                                                                                                                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                       |

## GENE INFORMATION

|                        |                                                                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LOXL2 lysyl oxidase-like 2 [ Homo sapiens ]                                                                                                                                                               |
| <b>Official Symbol</b> | LOXL2                                                                                                                                                                                                     |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 4017                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_002318                                                                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_002309                                                                                                                                                                                                 |
| <b>MIM</b>             | 606663                                                                                                                                                                                                    |
| <b>UniProt ID</b>      | Q9Y4K0                                                                                                                                                                                                    |

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