



## Human LOXL4 peptide (DAG-P0748)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

|                              |  |
|------------------------------|--|
| <b>Antigen Description</b>   | 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. [provided by RefSeq, Jul 2008] |
| <b>Specificity</b>           | Expressed in many tissues, the highest levels among the tissues studied being in the skeletal muscle, testis and pancreas. Expressed in cartilage.   |
| <b>Purity</b>                | 70 - 90% by HPLC.  |
| <b>Conjugate</b>             | Unconjugated   |
| <b>Sequence Similarities</b> | Belongs to the lysyl oxidase family. Contains 4 SRCR domains.  |
| <b>Format</b>                | Liquid   |
| <b>Preservative</b>          | None   |
| <b>Storage</b>               | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.  |

### GENE INFORMATION

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|------------------------|---|
| <b>Gene Name</b>       | <a href="#">LOXL4 lysyl oxidase-like 4 [Homo sapiens (human)]</a> |
| <b>Official Symbol</b> | LOXL4   |

|                            |  |
|----------------------------|--|
| <b>Synonyms</b>            | LOXL4; lysyl oxidase-like 4; LOXC; lysyl oxidase homolog 4; lysyl oxidase related C; lysyl oxidase-like protein 4; lysyl oxidase-like 4 pseudogene; lysyl oxidase-related protein C;   |
| <b>Entrez Gene ID</b>      | <a href="#">84171</a>  |
| <b>mRNA Refseq</b>         | <a href="#">NM_032211.6</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_115587.6</a>  |
| <b>UniProt ID</b>          | Q96JB6   |
| <b>Chromosome Location</b> | 10q24  |
| <b>Pathway</b>             | Assembly of collagen fibrils and other multimeric structures, organism-specific biosystem; Collagen formation, organism-specific biosystem; Crosslinking of collagen fibrils, organism-specific biosystem; Elastic fibre formation, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; |
| <b>Function</b>            | copper ion binding; protein binding; protein-lysine 6-oxidase activity; scavenger receptor activity;   |