

## Product datasheet for **TP700002**

### LOX (NM\_002317) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of N-terminal propeptide (LOXPP) of human lysyl oxidase (LOX), with C-terminal DDK/His tag, expressed in human cells
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC213323, encoding the propeptide (Ala22-Gly168) of human LOX
Tag:	C-DDK/His
Predicted MW:	17 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_002308</a>
Locus ID:	4015
UniProt ID:	<a href="#">P28300</a> , <a href="#">D0PNI2</a>
RefSeq Size:	1946
Cytogenetics:	5q23.1
RefSeq ORF:	1251
Synonyms:	AAT10



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**Summary:**

This gene encodes a member of the lysyl oxidase family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate a regulatory propeptide and the mature enzyme. The copper-dependent amine oxidase activity of this enzyme functions in the crosslinking of collagens and elastin, while the propeptide may play a role in tumor suppression. In addition, defects in this gene have been linked with predisposition to thoracic aortic aneurysms and dissections. [provided by RefSeq, Jul 2016]

**Protein Families:**

Druggable Genome, Secreted Protein

**Product images:**