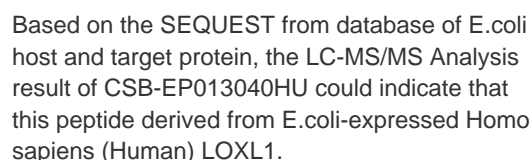
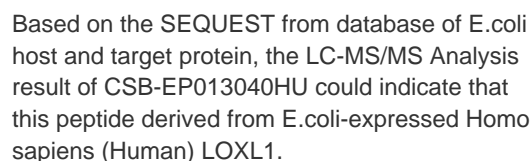
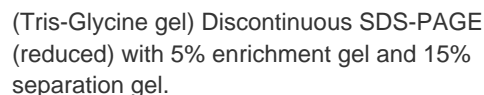




# Recombinant Human Lysyl oxidase homolog 1 (LOXL1), partial

<b>Product Code</b>	CSB-EP013040HU
<b>Relevance</b>	Active on elastin and collagen substrates.
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q08397
<b>Alias</b>	Lysyl oxidase-like protein 1 ;LOL
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	VGSDTVRGQARHPFGFGQVPDNWREVAVG DSTGMARARTSVSQQRHGGSA SSVSASAFASYRQQPSYPQQFPYPQAPFVSQYENYDPASRTYDQGFVYYRP AGGGVGAGAAVASAGVIYPYQPRARYEEYGGGEELPEYPPQGFYPAPERP YVPPPPPPPDGLDRRYSHSLYSEGTPGFEQAYPDGPAAQAHHGGDPRLGW YPPYANPPPEAYGPPRALEPPYLPVRSSDTPPPGGERNGAQQGRLSVGSVY RPNQNGRGLPDLVPDPNYVQASTYVQRAHLYSLRCAAEEKCLASTAYAPEAT DYDVRVLLRFPQRVKNQGTADFLPNRPRHTWEWHSCHQHYHSMDEFSHYDL LDAATGKKVAEGHKASFCLDSTCDFGNLKRYACTSHTQGLSPGCYDTYNADI DCQWIDITDVQPGNYILKVHVNPKYIVLESDFTNVVRNCNIHYTG RYVSATNCKI VQS
<b>Lead Time</b>	3-7 business days
<b>Research Area</b>	Metabolism
<b>Source</b>	E.coli
<b>Gene Names</b>	LOXL1
<b>Expression Region</b>	106-574aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	55.8kDa
<b>Protein Description</b>	Partial
<b>Image</b>	



Like all recombinant proteins, this Recombinant Human LOXL1 protein was encoded by recombinant DNA. The recombinant DNA was introduced to a plasmid in which the gene of LOXL1 was cloned downstream of a promoter region. When the plasmid was introduced to the cells of E.coli, the E.coli's own protein synthesis pathways would then result in the expression of the LOXL1 protein. And the next step was protein purification. The purity of this recombinant protein is 90%+ determined by SDS-PAGE.

LOXL1 belongs to LOX family proteins. Members of the LOX family are secreted by tumors and are the subject of extensive efforts aimed at understanding their roles in cancer. For instance, LOXL1 can protect glioma cells from anoikis and IR stresses, rendering cells resistant to apoptosis. In detail, LOXL1 is upregulated by the VEGFR-Src-CEBPA axis in suspended glioma cells, and LOXL1 and BAG2 proteins can interact in glioma cells, preventing BAG2-K186 ubiquitylation depending on LOXL1 enzymatic activity and stabilizing BAG2 to ultimately promote cell survival. Besides, the aggregation of the LOXL1 protein coupled with age-related decline in cellular proteostasis capabilities may result in a build-up of LOXL1 containing protein aggregates.

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.