

Lysyl oxidase homolog 2 Recombinant Protein | Loxl2 recombinant protein

Recombinant Mouse Lysyl oxidase homolog 2

CATALOG #
AAA81694

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

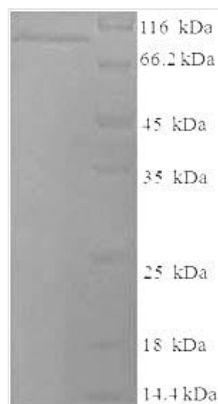
PRODUCT SYNONYMS

Lysyl oxidase homolog 2; Recombinant Mouse Lysyl oxidase homolog 2; Lysyl oxidase-like protein 2; Loxl2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	26-776. Full length of mature protein;
Sequence	QYEGWPYQLQ YPEYFQQPAP EHHQRQVPSD VVKIQVRLAG QKRKHNEGRV EVYYEGQWGT VCDDDFSIIHA AHVVCQRQVGY VEAKSWAASS SYGPGEGPIW LDNIYCTGKE STLASCSSNG WGVTDCKHTE DVGVCSEKR IPGFKFDNSL INQIESLNIQ VEDIRIRPIL SAFRHRKPVT EGYVEVKEGK AWKQICNKHV TAKNSHVVCG MFGFPAEKTY NPKAYKTFAS RRKLRYWKFS MNCTGTEAHI SSCKLGPSVT RDPVKNATCE NGQPAVVSCV PSQIFSPDGP SRFRKAYKPE QPLVRLRGA QVGEGRVEVL KNGEWGTICD DKWDLVSASV VCRELGFSTA KEAITGSRLG QGIGPIHLNE VQCTGTEKSI IDCKFNTESQ GCNHEEDAGV RCNIPIMGFQ KKVRLNGGRN PYEGRVEVLT ERNGSLVWGT VCGQNWGIVE AMVVCRLGL GFASNAFQET WYWHGNIFAN NVMSGVKCS GTELSLAHCN HDEEVACPEG GVRFGAGVAC SETAPDLVLN AEIVQQTAYL EDRPMSLLQC AMEENCLAS AVHTDPTRGH RRLRFSSQI HNNGQSDFRP KNGRHAWIWH DCHRYHSME VFTYYDLSL NGTKVAEGHK ASFCLEDTEC EGDQKSYEC ANFGEQGITM GCWDMYRHD DCQWIDITDV PPGDYLFQVV INPNYEVPEP DFSNNIMKCR SRYDGYRIWM YNCHVGGAFA EETEKFQFEH SGLLNQLSV Q
Sequence Length	776
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Loxl2 recombinant protein	Mediates the post-translational oxidative deamination of lysine residues on target proteins leading to the formation of deaminated lysine (allysine). When secreted in extracellular matrix, promotes cross-linking of extracellular matrix proteins by mediating oxidative deamination of peptidyl lysine residues in precursors to fibrous collagen and elastin. Acts as a regulator of sprouting angiogenesis, probably via collagen IV scaffolding. When nuclear, acts as a transcription corepressor and specifically mediates deamination of trimethylated 'Lys-4' of histone H3 (H3K4me3), a specific tag for epigenetic transcriptional activation. Involved in epithelial to mesenchymal transition (T) via interaction with SNAI1 and participates in repression of E-cadherin, probably by mediating deamination of histone H3. Acts as a regulator of chondrocyte differentiation, probably by regulating expression of factors that control chondrocyte differentiation. 1 Publication
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NCBI AND UNIPROT INFORMATION

NCBI GI #	225579028
NCBI GeneID	94352
NCBI Accession #	NP_201582.2
NCBI GenBank Nucleotide #	NM_033325.2
UniProt Accession #	P58022; Q8BRE6; Q8BS86; Q8C4K0; Q9JJ39
Molecular Weight	86.4 kDa
NCBI Official Full Name	lysyl oxidase homolog 2
NCBI Official Synonym Full Names	lysyl oxidase-like 2
NCBI Official Symbol	Loxl2
NCBI Official Synonym Symbols	1110004B06Rik; 4930526G11Rik; 9430067E15Rik
NCBI Protein Information	lysyl oxidase homolog 2
UniProt Protein Name	Lysyl oxidase homolog 2
UniProt Gene Name	Loxl2
UniProt Entry Name	LOXL2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.