

Recombinant Full Length Human LOXHD1 Protein, GST-tagged

Cat. No. LOXHD1-5962HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LOXHD1 full-length ORF (AAH47720.1, 1 a.a. - 512 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	512 amino acids
Description	This gene encodes a highly conserved protein consisting entirely of PLAT (polycystin/ lipoygenase/alpha-toxin) domains, thought to be involved in targeting proteins to the plasma membrane. Studies in mice show that this gene is expressed in the mechano sensory hair cells in the inner ear, and mutations in this gene lead to auditory defects, indicating that this gene is essential for normal hair cell function. Screening of human families segregating deafness identified a mutation in this gene which causes DFNB7 7, a progressive form of autosomal-recessive nonsyndromic hearing loss (ARNSHL). Alternatively spliced transcript variants encoding different isoforms have been noted f or this gene. [provided by RefSeq, Mar 2010]
Molecular Mass	85.1 kDa
AA Sequence	MTVWTGDVVGGGTDSNIFMTLYGINGSTEEMQLDKKKARFEREQNDTFIMEILDIAP FTKMRIRIDGLGSRPEWFLERILLKNMNTGDLTMFYYGDWLSQRKGKKTLCVCEMCA VIDEEEMMEWTSYTVAVKTS DILGAGTDANVFIIFGENGDSGTLALKQSANWNKFER NNTDTFNFPDMLSLGHLCKLRVWHDNKGIFPGWHL SYVDVKDNSRDETFHFQCDC

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WLSKSEGDGQTVRDFACANNKICDELEETTYEIVIETGNGGETRENVWLILEGRKNR
SKEFLMENSSRQRAFRKGTDTTFEFDISIYLGDIASLCVGHILAREDRFIPKRELVWHV
KTITITEMEYGNVYFFNCDCLIPLKRKRKYFKVFEVTKTTESFASKVQSLVPVKYEVIV
TTGYEPGAGTDANVFVTIFGANGDTGKRELKQKMRNLFERGSTDRFFLETLELGEL
RKVRLEHDSSGYCSGWLVEKVEVTNTSTGVATIFNCGRWLDKKRGDGLTWRDLFP
SV

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

LOXHD1 lipoygenase homology domains 1 [Homo sapiens (human)]

Official Symbol

LOXHD1

Synonyms

LOXHD1; lipoygenase homology domains 1; LH2D1; DFNB77; lipoygenase homology domain-containing protein 1

Gene ID

125336

mRNA Refseq

NM_001145472

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Protein Refseq	NP_001138944
MIM	613072
UniProt ID	Q8IVV2

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