

Recombinant Human LRP8 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. LRP8-022H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LRP8 MS Standard C13 and N15-labeled recombinant protein (NP_059992) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the low density lipoprotein receptor (LDLR) family. Low density lipoprotein receptors are cell surface proteins that play roles in both signal transduction and receptor-mediated endocytosis of specific ligands for lysosomal degradation. The encoded protein plays a critical role in the migration of neurons during development by mediating Reelin signaling, and also functions as a receptor for the cholesterol transport protein apolipoprotein E. Expression of this gene may be a marker for major depressive disorder. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	78.3 kDa
AA Sequence	MGLPEPGPLRLLALLLLLLLLLLLLQLQHLAAAAADPLLGGQGPAKDCEKDQFQCRNE RCIPSVWRCDEDDCLDHSDEDDCPKKTCA DSDFTCDNGHCIHERWKCDGEEEC DGSESEATCTKQVCPAEKLSCGPTSHKCVPASWRCDGEKDCEGGADEAGCATS LGTCRGDEFQCGDGTCLVLAIKHCNQEQDCPDGSDEAGCLQGLNECLHNNGGCSHI CTDLKIGFECTCPAGFQLLDQKTCGDIDECKDPDACSQICVNYKGYFKCECYPGYE

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MDLLTKNCKAAAGKSPSLIFTNRHEVRRIDLVKRNYSRLIPMLKNVVALDVEVATNRI
 YWCDLSYRKIYSAYMDKASDPKEQEVLIIDEQLHSPEGLAVDWVHKHIYWTDSGNKTI
 SVATVDGGRRRTLFSRNLSEPRAIAMDPLRGFMYSWSDWGDQAKIEKSGLNGVDRQ
 TLVSDNIEWPNGITLDLLSQRLYWVDSKLHQLSSIDFSGGNRKTLSSTDFLSHPFGIA
 VFEDKVFWTDLENEAIFSANRLNGLEISILAENLNNPHDIVIFHELKQPRAPDACELSV
 QPNGGCEYLCLPAPQISSHSPKYTCACPDMLWLGPDMLKRCYRDANEDSKMGSTVT
 AAVIGIIVPIVVIALLCMSGYLIWRNWKRKNTKSMNFDNPVYRKTTEEEDEDELHIGRT
 AQIGHVYPARVALSLEDDGLPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	LRP8 LDL receptor related protein 8 [Homo sapiens (human)]
Official Symbol	LRP8
Synonyms	LRP8; LDL receptor related protein 8; APOER2; HSZ75190; LRP-8; MCI1; low-density lipoprotein receptor-related protein 8; ApoE receptor 2; low density lipoprotein receptor-related protein 8, apolipoprotein e receptor
Gene ID	7804

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mRNA Refseq	NM_017522
Protein Refseq	NP_059992
MIM	602600
UniProt ID	Q14114
SDS-PAGE	