

Recombinant Full Length Human LRP8 Protein, Flag tagged

Cat. No. LRP8-33HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human low density lipoprotein receptor-related protein 8, apolipoprotein e receptor (LRP8), transcript variant 3 with C-Flag tag was expressed in HEK293.
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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	74.4 kDa
AASequence	MGLPEPGPLRLLALLLLLLLLLLLQLQHLAAAAADPLLGGQGPAKDCEKDQFQCRNE RCIPSVWRCDEDDDDCLDHSEDDDCPKKTCADSDFTCDNGHCIHERWKCDGEEEC DGSEDESEATCTKQVCPAEKLSGPTSHKCVPASWRCDGEKDCEGGADEAGCATS LGTCRGDEFQCGDGTCLVLAIKHCNQEQDCPDGSDEAGCLQGLNECLHNNGGCSHI

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CTDLKIGFECTCPAGFQLLDQKTCGDIDECKDPDACSQICVNYKGYFKCECYPGYE
MDLLTKNCKAAAGKSPSLIFTNRHEVRRIDLVKRNYSRLIPMLKNVVALDVEVATNRI
YWCDSLRYRKIYSAYMDKASDPKEQEVLIDEQLHSPEGLAVDWVHKHIYWTDSGNKTI
SVATVDGGRRRTLFSRNLSEPRAIADVPLRGFMYSWSDWGDQAKIEKSGLNGVDRQ
TLVSDNIEWPNGITLDLLSQRLYWVDSKLHQLSSIDFSGGNRKTLSSTDFLSHPFGIA
VFEDKVFWTDLENEAIFSANRLNGLEISILAENLNNPHDIVIFHELKQPRAPDACELSV
QPNGGCEYLCLPAPQISSHSPKYTCACPD TMWLGPDMKRCYRDANEDSKMGSTVT
AAVIGIIVPIVVIALLCMSGYLIWRNWKRKNTKSMNFDNPVYRKTTEEEDEDELHIGRT
AQIGHVYPARVALSLEDDGLPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	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 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	>0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

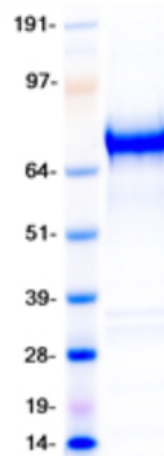
Gene Name	LRP8 low density lipoprotein receptor-related protein 8, apolipoprotein e receptor [<i>Homo sapiens</i> (human)]
Official Symbol	LRP8
Synonyms	LRP8; low density lipoprotein receptor-related protein 8, apolipoprotein e receptor; low-density lipoprotein receptor-related protein 8; APOER2; ApoE receptor 2; MC11; LRP-8; HSZ75190

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Gene ID	7804
mRNA Refseq	NM_017522
Protein Refseq	NP_059992
MIM	602600
UniProt ID	Q14114

SDS-PAGE


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