

Datasheet for ABIN7564229

LRRC7 Protein (AA 1-1490) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	LRRC7
Protein Characteristics:	AA 1-1490
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRRC7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Lrrc7 Protein expressed in mammalian cells.
Sequence:	<p>MTTKRKLIGR LVPCRCFRGE EEIISVLDYS HCSSLQQVPKE VFNFERTLEE LYLDANQIEE LPKQLFNCQA LRKLSIPDND LSSLPTSIAI LVNLKELDIS KNGVQEFFEN IKCKCKLTI EASVNPISKL PDGFTQLLNL TQLYLNDAFL EFLPANFGRL VKLRILELRE NHLKTLPKSM HKLAQLERLD LGNNEFSELP EVLDQIQNLR ELWMDNNALQ VLPGSIGKLG MLVYLDMSKN RIETVDMDIS GCEALEDLLL SSNMLQQLPD SIGLLKLLTT LKVDDNQLTM LPNTIGNLSL LEEFDCSCNE LESLPPTIGY LHSLRTLAVD ENFLPELPRE IGSKNVTVM SLRSNKLEFL PEEIGQMQRRL RVLNLSNRL KNL PFSFTKL KELAALWLSL NQSKALIPLQ TEAHPETKQR VLTNYMFPQQ PRGDEDFQSD SDSFNPTLWE EQRQQRMTVA FEFEDKKEDD ESAGKVKALS CQAPWDRGQR GITLQPARLS GDCCTPWARC DQQIQDMPVP QSDPQLAWGC ISGLQQRSM CAPLPVAAQS TTLPSLSGRQ VEINLKRYPT PYPEDLKNMV KSVQNLVGGP SHGVRVENS PTANTEQTVK EKFEHKWPVA PKEITVEDSF VHPANEMRIG ELHPSLAETP LYPPKLVLLG KDKKESTDES EVDKTHCLNN SVSSGTYSYD SPSQASSASS NTRMKVGSLLQ ATAKDAVHNS</p>

LWGNRIAPPF PQPLDAKPLL SQREAVPPGN IPQRPDRLPM SDAFPDNWTD GSHYDNTGFV
SEEAAGENAN NNPLLSSKAR SVAHGRRL IRQERIVGVP LELEQSTHRH TPETEVPPSN
PWQNWTRTPS PFEDRTAFPS KLETTPTTSP LPERKDHMKE PTETPGPFSP GVPWEYHDPT
PNRSLGNVFS QIHCRPDSSK GVIAISKSTE RLSPLMKDIK SNKFKKSQSI DEIDVGTYKV
YNIPLENYAS GSDHLGSHER PDKFLGPEHG MSSMSRSQSV PMLDDEMLMY GSSKGPPQK
ASMTKKVYQF DQSFNPQGAV EVKAEKRIPP PFAHNSEYVQ QPSKNIKDL VSPRAYRGYP
PMEQMFSFSQ PSVNEDAMVN AQFASQGPRA GFLRRADSLA SSTEMAMFRR VSEPHLPPG
DRYGRATYRG GLEGQSSISM TDPQFLKRNG RYEDHPSYQ EVKAQAGSFP AKNLTQRRPL
SARSYSTESY GASQTRPVSA RPTMAALLEK IPSDYNLGN YGDKTSDNSDI KTRPTPVKGE
ESCGKMPADW RQQLLRHIEA RRLDRTPSQQ SNILDNGQED VSPSGQWNPY PLGRRDVPPD
TITKAGSHI QTLMGSQLQ HRSREQQPYE GNINKVTIQQ FQSPLPIQIP SSQATRGPPQ
GRCLIQTKGQ RSMDGYPEQF CVRIEKNPGL GFSISGGISG QGNPFKPSDK GIFVTRVQPD
GPASNLLQPG DKILQANGHS FVHMEHEKAV LLLKSFQNTV DLVIQRELTV **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target:	LRRC7
Alternative Name:	Lrrc7 (LRRC7 Products)
Background:	Leucine-rich repeat-containing protein 7 (Densin-180) (Densin) (Protein LAP1),FUNCTION: Required for normal synaptic spine architecture and function. Necessary for DISC1 and GRM5 localization to postsynaptic density complexes and for both N-methyl D-aspartate receptor-dependent and metabotropic glutamate receptor-dependent long term depression. {ECO:0000269 PubMed:22072671}.
Molecular Weight:	166.9 kDa
UniProt:	Q80TE7
Pathways:	Synaptic Membrane

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months