

Datasheet for ABIN7554434  
**LRRC7 Protein (AA 1-1537) (His tag)**



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## Overview

Quantity:	1 mg
Target:	LRRC7
Protein Characteristics:	AA 1-1537
Origin:	Human
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>MTTKRKIIIGR LVPCRCFRGE EEIISVLDYS HCSLQQVPKE VFNFERTLEE LYLDANQIEE LPKQLFNCQA LRKLSIPDND LSNLPTTIAS LVNLKELDIS KNGVQEFPEN IKCKCLTII EASVNPISKL PDGFTQLLNL TQLYLNDAFL EFLPANFGRL VKLRILELRE NHLKTLPKSM HKLAQLERLD LGNNEFGELP EVLDQIQNLR ELWMDNNALQ VLPGSIGKLG MLVYLDMSKN RIETVDMDIS GCEALEDLLL SSNMLQQLPD SIGLLKLLTT LKVDDNQLTM LPNTIGNLSL LEEFDCSCNE LESLPSTIGY LHSLRTLAVD ENFLPELPRE IGSKNVTVM SLRSNKLEFL PEEIGQMQL RVLNLSNRL KNL PFSFTKL KELAALWLSL NQSKALIPLQ TEAHPETKQR VLTYMFPQQ PRGDEDFQSD SDSFNPTLWE EQRQQRMTVA FEFEDKKEDD ENAGKVKDLS CQAPWERGQR GITLQPARLS GDCCTPWARC DQQIQDMPVP QNDPQLAWGC ISGLQQERSM CTPLPVAASQ TTLPSLSGRQ VEINLKRYPT PYPEDLKNMV KSVQNLVGKP SHGVRVENSN PTANTEQTVK EKYEHKWPVA PKEITVEDSF VHPANEMRIG ELHPSLAETP LYPPKLVLLG KDKKESTDES EVDKTHCLNN SVSSGTYSYD SPSQASSGSS NTRVKVGLSLQ TTAKDAVHNS</p>

LWGNRIAPSF PQPLDSKPLL SQREAVPPGN IPQRPDRLPM SDTFTDNWTD GSHYDNTGFV  
AEETTAENAN SNPLLSSKSR STSSHGRRPL IRQDRIVGVP LELEQSTHRH TPETEVPSPN  
PWQNWTRTPS PFEDRTAFPS KLETTPTTSP LPERKEHIKE STEIPSPFSP GVPWEYHDSN  
PNRSLSNVFS QIHCRPESSK GVISISKSTE RLSPLMKDIK SNKFKKSQSI DEIDIGTYKV  
YNIPLENYAS GSDHLGSHER PDKMLGPEHG MSSMSRSQSV PMLDDEMLTY GSSKGPQQQK  
ASMTKKVYQF DQSFNPQGSV EVKAEKRIPP PFQHNPEYVQ QASKNIAKDL ISPRAYRGYP  
PMEQMFSFSQ PSVNEDAVVN AQFASQGARA GFLRRADSLV SATEMAMFRR VNEPHELPT  
DRYGRPPYRG GLDRQSSVTV TESQFLKRNG RYEDEHPSYQ EVKAQAGSFP VKNLTQRRPL  
SARSYSTESY GASQTRPVSA RPTMAALLEK IPSDYNLGNY GDKPSDNSDL KTRPTPVKGE  
ESCGKMPADW RQQLLRHIEA RRLDRNAAYK HNTVNLGMLP YGGISAMHAG RSMTLNLQTK  
SKFDHQELPL QKTPSQSNI LDNGQEDVSP SGQWNPYPLG RRDVPPDTIT KKAGSHIQL  
MGSQSLQHRS REQQPYEGNI NKVTIQQFQS PLPIQIPSSQ ATRGPQPGRC LIQTKGQRSM  
DGYPEQFCVR IEKNPGLGFS ISGGISGQGN PFKPSDKGIF VTRVQPDGPA SNLLQPDKI  
LQANGHSFVH MEHEKAVLLL KSFQNTVDLV IQRELTV **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.**

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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.

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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.

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

## Product Details

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Grade: custom-made

## Target Details

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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:11729199}.

Molecular Weight: 172.6 kDa

UniProt: [Q96NW7](#)

Pathways: [Synaptic Membrane](#)

## Application Details

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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

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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