

Datasheet for ABIN7549210  
**LRCH4 Protein (AA 1-683) (His tag)**



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## Overview

Quantity:	1 mg
Target:	LRCH4
Protein Characteristics:	AA 1-683
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRCH4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant LRCH4 Protein expressed in mammalian cells.
Sequence:	<p>MAAAVAAPLA AGGEEAAATT SVPGSPGLPG RSAERALEE AVATGTLNLS NRRLKHFPRG</p> <p>AARSYDLSDI TQADLSRNRF PEVPEAACQL VSLEGLSLYH NCLRCLNPAL GNLTALTYLN</p> <p>LSRNQLSLLP PYICQLPLRV LIVSNNKLGA LPPDIGTLGS LRQLDVSSNE LQSLPSELGG</p> <p>LSSLRDLNVR RNQLSTLPEE LGDLPLVRLD FSCNRVSRIP VSFCRLRHLQ VILLDSNPLQ</p> <p>SPPAQVCLKG KLHIFKYLST EAGQRGSALG DLAPSRPPSF SPCPAEDLFP GHRYDGGLDS</p> <p>GFHSVDSGSK RWSGNSTDE FSELSFRISE LAREPRGPRE RKEDGSADGD PVQIDFIDSH</p> <p>VPGEDEERGT VEEQRPPELS PGAGDRERAP SSRREEPAGE ERRRPDTLQL WQERERRQQQ</p> <p>QSGAWGAPRK DSLLKPGLRA VVGGAHAVST QAMHNGSPKS SASQAGAAAAG QGAPAPAPAS</p> <p>QEPLPIAGPA TAPAPRPLGS IQRPNISFLFR SSSQSGSGPS SPDSVLRPRR YPQVPDEKDL</p> <p>MTQLRQVLES RLQRPLPEDL AEALASGVIL CQLANQLRPR SVPFIHVPSP AVPKLSALK</p> <p>RKNVESFLEA CRKMGVPEAD LCSPSDLLQG TARGLRTALE AVKRVGGKAL PPLWPPSGLG</p> <p>GFVVFYVVLML LLYVTYTRL LGS <b>Sequence without tag. The proposed Purification-Tag is</b></p>

## Product Details

**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:** LRCH4

**Alternative Name:** LRCH4 ([LRCH4 Products](#))

**Background:** Leucine-rich repeat and calponin homology domain-containing protein 4 (Leucine-rich repeat neuronal protein 4) (Leucine-rich neuronal protein),FUNCTION: Accessory protein that regulates signaling by multiple TLRs, acting as a broad-spanning regulator of the innate immune response. In macrophages, binds LPS and promotes proper docking of LPS in lipid raft membrane. May be required for lipid raft maintenance. {ECO:0000250|UniProtKB:Q921G6}.

**Molecular Weight:** 73.5 kDa

**UniProt:** [O75427](#)

## 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