

Datasheet for ABIN7546983

## LRRC50 Protein (AA 1-725) (His tag)



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### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | LRRC50  |
| Protein Characteristics:      | AA 1-725                                      |
| Origin:                       | Human   |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This LRRC50 protein is labelled with His tag. |

### Product Details

|           |   |
|-----------|---|
| Purpose:  | Custom-made recombinant DNAAF1 Protein expressed in mammalian cells.  |
| Sequence: | <p>MHPEPSEPAT GGAAELDCAQ EPGVEESAGD HGSAGRGGCK EEINDPKEIC VGSSDTSYHS</p> <p>QQKQSGDNGS GGHFAHPRED REDRGPRMTK SSLQKLCKQH KLYITPALND TLYLHFKGFD</p> <p>RIENLEEYTG LRCLWLQSNG IQKIENLEAQ TELRCLFLQM NLLRKIENLE PLQKLDALNL</p> <p>SNNYIKTIEN LSCLPVLNTL QMAHNNHLETV EDIQHLQECL RLCVLDLSHN KLSDP EILSI</p> <p>LESMPDLRVL NLMGNPVIQ IPNYRRTVTV RLKHLTYLDD RVPFVKDRAC AEA WARGGYA</p> <p>AEKEERQQWE SRERKKITDS IEALAMIKQR AEERKRQRES QERGEMTSSD DGENVPASAE</p> <p>GKEEPPGDRE TRQKMELFVK ESFEAKDELC PEKPSGEEPP VEA KREDGGP EPGTLPAET</p> <p>LLLSSPVEVK GEDGDGEPEG TLP AEAPPPP PPVEVKGEDG DQEPEGT LPA ETLLLSPPVK</p> <p>VKGEDGDREP EGTLP AEAPP PPPLGAAREE PTPQAVATEG VFVTELDGTR TEDLETIRLE</p> <p>TKETFCIDDL PDLEDDDETG KSLEDQNMCF PKIEVISSLS DDSDPELDYT SLPVLENLPT</p> <p>DTLSNIFAVS KDTSKAARVP FTDIFKKEAK RDLEIRKQDT KSPRPLIQEL SDEDP SGQLL</p> <p>MPPTCQRDAA PLTSSGDRDS DFLAASSPVP TESAATPPET CVGVAQPSQA LPTWDLTAFP</p> |

## Product Details

APKAS **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:** LRRC50

**Alternative Name:** DNAAF1 ([LRRC50 Products](#))

**Background:** Dynein axonemal assembly factor 1 (Leucine-rich repeat-containing protein 50),FUNCTION: Cilium-specific protein required for the stability of the ciliary architecture. Plays a role in cytoplasmic preassembly of dynein arms. Involved in regulation of microtubule-based cilia and actin-based brush border microvilli. {ECO:0000269|PubMed:18385425, ECO:0000269|PubMed:19944400, ECO:0000269|PubMed:19944405}.

**Molecular Weight:** 80.0 kDa

**UniProt:** [Q8NEP3](#)

## 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  |