

Datasheet for ABIN3093613

## LRRC9 Protein (AA 1-1453) (Strep Tag)



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### Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 250 µg   |
| Target:                       | LRRC9  |
| Protein Characteristics:      | AA 1-1453                                      |
| Origin:                       | Human  |
| Source:                       | Cell-free protein synthesis (CFPS)             |
| Protein Type:                 | Recombinant                                    |
| Purification tag / Conjugate: | This LRRC9 protein is labelled with Strep Tag. |
| Application:                  | ELISA, SDS-PAGE (SDS), Western Blotting (WB)   |

### Product Details

|           |  |
|-----------|--|
| Brand:    | AliCE®   |
| Sequence: | <p> MIESENLNQE EIIKELCLCN GLSYEMVGQE GSDTSKLEMF FLGYPRIVGL SLFPNLTSLT<br/> IVAQDIKEIS GLEPCLQLKE LWIAECCIEK IEGLQECRNL EKLYLYFNKI SKIENLEKLI KLKVLWLNHN<br/> TIKNIEGLQT LKNLKDNLNA GNLINSIGRC LDSNEQLERL NLSGNQICSF KELTNLTRLP<br/> CLKDLCLNDP QYTTNPVCLL CNYSTHVLYH LPCLQRFDL DVSAKQIKEL ADTTAMKKIM<br/> YYNMRITLQ RHLKEDLEKL NDQKCKLQKL PEERVKLFSF VKKTLERELA ELKGSKGKHS<br/> DGSNNSKVTD PETLKSCETV TEEPSLQKQI LAKLNALNER VTFWNKKLDE IEAIYHIEVK<br/> QKKKSHGLLI PLLLIELETV GNHFHEEGTR SDDWFNFCYE LILSRFCAWD FRTYGITGVK<br/> VKRIIKVNNR ILRLKFEEKF QKFLENEDMH DSESYRRMLE CLFYVFDPEV SVKKKHLLQI<br/> LEKGFKDSET SKLPLKKEAI IVSNSLSISE CPRIEFLQKQ HKDEKKISLK HELFRHGILL ITKVFLGQSV<br/> QAHEKESISQ SNYPMVNSVF IPRKYLLNSV MGQRNCDCSV RQCKWVFVDH DLVLPEYVVE<br/> FEYITMVKAP SLFSVFNNVI LEESKKNPEV SVFSKDLKFD DEVIKMEPRI KARPKLISLD </p> |

DKTILSLAKT SVYSHIVSLN LHGNSLSKLR DLSKLTGLRK LNISFNEFTC LDDVYHLYNL  
EYLDASHNHV ITLEGFRGLM KLKHLDSLWN QLKKSGNEIN MLCKHTTSL TLDIQHNPWQ  
KPATRLRSVI GRLKTLTHLN GVFISEEEAT AAMKFIAGTR ITQSLLRHS STKEERPRIL  
SIWPSAKILT QVSKLGPHLH LSGNCYLKIT ALNLDGQHLL EITNLEKLEN LKWASFSNNN  
LTKMEGLESC INLEELTDG NCISKIEGIS KMTKLTRL SI NNNLLTGWEE HTFDNMLHLH  
SLSLENNRIT SLSGLQKSFT LVELYISNNY IAVNQEMHNL KGLCNLVILD MCGNIIWNQ  
ENYRLFVIFH LPELKALDGI PIEPSETDSA KDLFGGRLTS DMIAERQGH S NFKQMQLNW  
TSSSIRTVDL IPVDQFRNVC NVNLQNNHLT SFSGLIYLPN VKVLCLNYNH IESIMPRPKP  
QTHLTSRQLL YQKVPSSGYG QQGISKTNRD IMSSENLPPI MHSLEVLHLG YNGICNLIQL  
QLNRLRNLF LFLQGNEISQ VEGLDNLVVL QELVVDHNRI RSFNDSFAK PSSLLALHLE  
ENRLRELKGL QSLVKLEKLF LGYNKIQDIT ELEKLDVIST LRELTGYGNP ICRKMLHRHM  
LIFRLPNLQM LDGSPVNSDD RAKAEFHAE LQAKKNSLIP VTHSPMDGRS FGQVKTPPIE  
ITNVLLPSGF SHYLGSDVTL TPEVEEFLGA TFQDQIECNC LKRNEHTPRN SPV

**Sequence without tag. The proposed Strep-Tag is based on experience s 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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### Characteristics:

#### Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

#### Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the

## Product Details

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mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

### Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

|               |  |
|---------------|--|
| Purification: | One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®). |
| Purity:       | > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).                                 |
| Grade:        | custom-made  |

## Target Details

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|                   |  |
|-------------------|--|
| Target:           | LRRC9                                    |
| Alternative Name: | LRRC9 ( <a href="#">LRRC9 Products</a> ) |
| Background:       | Leucine-rich repeat-containing protein 9 |
| Molecular Weight: | 166.9 kDa                                |
| UniProt:          | <a href="#">Q6ZRR7</a>                   |

## Application Details

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|                    |  |
|--------------------|--|
| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.   |
| Comment:           | <p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.</p> <p>During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the</p> |

Application Details

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Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.  
Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months