

Datasheet for ABIN7554433
LRRC8B Protein (AA 1-803) (His tag)



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Overview

Quantity:	1 mg
Target:	LRRC8B
Protein Characteristics:	AA 1-803
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRRC8B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LRRC8B Protein expressed in mammalian cells.
Sequence:	MITLTELKCL ADAQSSYHIL KPWWDFWYY ITLIMLLVAV LAGALQLTQS RVLCCLPCKV EFDNHCAVPW DILKASMNTS SNPGTPLPLP LRIQNDLHRQ QYSYIDAVCY EKQLHWFAPK FPYLVLHHTL IFAACSNFWL HYPSTSSRLE HFVAILHKCF DSPWTTRALS ETVAEQSVRP LKLSKSKILL SSSGCSADID SGKQSLPYPQ PGLESAGIES PTSSVLDKKE GEQAKAIFEK VKRFRMHVEQ KDIIYRVYLK QIIVKILFV LIITYVPYFL THITLEIDCS VDVQFTGYK RYQCVYSLAE IFKVLASFYV ILVILYGLTS SYSLWWMLRS SLKQYSFEAL REKSNYSYDIP DVKNDFAFIL HLADQYDPLY SKRFSIFLSE VSENKQIN LNNEWTVEKL KSKLVKNAQD KIELHLFMLN GLPDNVFELT EMEVLSLELI PEVKLPSAVS QLVNLKELRV YHSSLVVDHP ALAFLEENLK ILRLKFTMG KIPRWVFLK NLKELYLSGC VLPEQLSTMQ LEGFQDLKNL RTLYLKSSLS RIPQVVDLL PSLQKLSLDN EGSKLVVLNN LKKMVNLKSL ELISCDLERI PHSIFSLNNL HELDLRENNL KTVVEIISFQ HLQNLSCCLK WHNNIAYIPA QIGALSNEQ LSLDHNNIEN LPLQLFLCTK LHYLDLSYNH LTFIPEEIYQ LSNLQYFAVT NNNIEMLPDG LFQCKKLQCL

Product Details

LLGKNSLMNL SPHVGELSNL THLELIGNYL ETLPELEGC QSLKRNCLIV EENLLNTLPL
PVTERLQTCL DKC **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: LRRC8B

Alternative Name: LRRC8B ([LRRC8B Products](#))

Background: Volume-regulated anion channel subunit LRRC8B (Leucine-rich repeat-containing protein 8B) (T-cell activation leucine repeat-rich protein) (TA-LRRP),FUNCTION: Non-essential component of the volume-regulated anion channel (VRAC, also named VSOAC channel), an anion channel required to maintain a constant cell volume in response to extracellular or intracellular osmotic changes (PubMed:24790029, PubMed:26824658, PubMed:28193731). The VRAC channel conducts iodide better than chloride and can also conduct organic osmolytes like taurine. Channel activity requires LRRC8A plus at least one other family member (LRRC8B, LRRC8C,

Target Details

LRR8D or LRR8E), channel characteristics depend on the precise subunit composition (PubMed:24790029, PubMed:26824658, PubMed:28193731).
{ECO:0000269|PubMed:24790029, ECO:0000269|PubMed:26824658, ECO:0000269|PubMed:28193731}.

Molecular Weight: 92.4 kDa

UniProt: [Q6P9F7](#)

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