

Datasheet for ABIN7553484
CLIC5 Protein (AA 1-410) (His tag)



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Overview

Quantity:	1 mg
Target:	CLIC5
Protein Characteristics:	AA 1-410
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLIC5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CLIC5 Protein expressed in mammalian cells.
Sequence:	MNDEDYSTIY DTIQNERTYE VPDQPEENES PHYDDVHEYL RPENDLYATQ LNTHEYDFVS VYTIKGEETS LASVQSEDRG YLLPDEIYSE LQEAHPGEPQ EDRGISMEGL YSSTQDQQLC AAELQENGSV MKEDLPSPSS FTIQHSKAFS TTKYSCYSDA EGGLEEKEGAH MNPEIYLFVK AGIDGESIGN CPFSQRLFMI LWLKGVVFNV TTVDLKRKPA DLHNLAPGTH PPFLTFNGDV KTDVNKIEEF LEETLTPEKY PKLAAKHRES NTAGIDIFSK FSAYIKNTKQ QNNAALERGL TKALKLDDY LNTPLPEEID ANTCGEDKGS RRKFLDGDEL TLADCNLLPK LHVVKIVAKK YRNYDIPAEM TGLWRYLKNA YARDEFTNTC AADSEIELAY ADVAKRLSRS 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.

Product Details

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:

CLIC5

Alternative Name:

CLIC5 ([CLIC5 Products](#))

Background:

Chloride intracellular channel protein 5,FUNCTION: Required for normal hearing (PubMed:24781754). It is necessary for the formation of stereocilia in the inner ear and normal development of the organ of Corti (By similarity). Can insert into membranes and form poorly selective ion channels that may also transport chloride ions. May play a role in the regulation of transepithelial ion absorption and secretion. Is required for the development and/or maintenance of the proper glomerular endothelial cell and podocyte architecture (PubMed:15184393, PubMed:18028448, PubMed:20335315). Plays a role in formation of the lens suture in the eye, which is important for normal optical properties of the lens (By similarity). {ECO:0000250|UniProtKB:Q8BXK9, ECO:0000269|PubMed:15184393, ECO:0000269|PubMed:18028448, ECO:0000269|PubMed:20335315, ECO:0000269|PubMed:24781754}.

Molecular Weight:

46.5 kDa

UniProt:

[Q9NZA1](#)

Target Details

Pathways: [Sensory Perception of Sound](#)

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