

Datasheet for ABIN7555981
USH1C Protein (AA 1-552) (His tag)



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Overview

Quantity:	1 mg
Target:	USH1C
Protein Characteristics:	AA 1-552
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USH1C protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant USH1C Protein expressed in mammalian cells.
Sequence:	<p>MDRKVAREFR HKVDFLIEND AEKDYLVDVL RMYHQTMDVA VLVGDLKLVV NEPSRLPLFD AIRPLIPLKH QVEYDQLTPR RSRKLKEVRL DRLHPEGLGL SVRGGLEFGC GLFISHLIKG GQADSVGLQV GDEIVRINGY SSSCTHEEV INLIRTKKTV SIKVRHIGLI PVKSSPDEPL TWQYVDQFVS ESGGVRGSLG SPGNRENKEK KVFISLVGSR GLGCSISSGP IQKPGIFISH VKPGSLSAEV GLEIGDQIVE VNGVDFSNDL HKEAVNVLKS SRSLTISIVA AAGRELFMTD RERLAEARQR ELQRQELLMQ KRLAMESNKI LQEQEMERQ RRKEIAQKAA EENERYRKEM EQIVEEEEEKF KKQWEEDWGS KEQLLLPKTI TAEVHPVPLR KPKYDQGVPE EEPADLDG GTEEQGEQDF RKYEEGFDPY SMFTPEQIMG KDVRLRLRIKK EGSLDLALEG GVDSPIGKVV VSAVYERGAA ERHGGIVKGD EIMAINGKIV TDYTLAEAEA ALQKAWNQGG DWIDLWVAVC PPKEYDDELTT FF 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.</p>

Product Details

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: USH1C

Alternative Name: USH1C ([USH1C Products](#))

Background: Harmonin (Antigen NY-CO-38/NY-CO-37) (Autoimmune enteropathy-related antigen AIE-75) (Protein PDZ-73) (Renal carcinoma antigen NY-REN-3) (Usher syndrome type-1C protein),FUNCTION: Anchoring/scaffolding protein that is a part of the functional network formed by USH1C, USH1G, CDH23 and MYO7A that mediates mechanotransduction in cochlear hair cells. Required for normal development and maintenance of cochlear hair cell bundles (By similarity). As part of the intermicrovillar adhesion complex/IMAC plays a role in brush border differentiation, controlling microvilli organization and length. Probably plays a central regulatory role in the assembly of the complex, recruiting CDHR2, CDHR5 and MYO7B to the microvilli tips (PubMed:24725409, PubMed:26812018). {ECO:0000250|UniProtKB:Q9ES64, ECO:0000269|PubMed:24725409, ECO:0000269|PubMed:26812018}.

Molecular Weight: 62.2 kDa

Target Details

UniProt: [Q9Y6N9](#)

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
