

Datasheet for ABIN7558311

Otopetrin 2 Protein (OTOP2) (AA 1-563) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Otopetrin 2 (OTOP2)
Protein Characteristics:	AA 1-563
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Otopetrin 2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Otop2 Protein expressed in mammalian cells.
Sequence:	MSEELVPHPN ESLPGPRASP REVWKKGGRL LSVLLAVNVL LLACTLISGG AFNKVAVYDT DVFALLTTMM LLAALWIVFY LLRTARCPDA VPYRDAHAGP IWLRGGLVLF GICTLVMDVF KTGYSSFFE CQSAIKILHP IIQAVFVIVQ TYFLWISAKD CIHTHLDLTR CGLMFTLATN LAIWMAAVVD ESVHQAHSYS GSHGNTSHTR LNPDSKRAGG AAEDPCLCS TAICQIFQQG YFYLYPFNIE YSLFASTMLY VMWKNVGRLL ASTHGHGHTP SRVSLFRET FAGPVLGLLL FVVG LAVFIL YEYQVSGERG HTRQALVIYY SFNIVCLGLM TLVSLSGSVI YRFDRRAMDH HKNPRTL DV ALLMGAALGQ YAISYYSIVA VVVGSPRDLQ GALNLSHALL MIAQHTFQNV FIIESLHRGP PGAEPREMP P KEPCQGITFA NLD AIRTLP S CPPTPRLVIP NLESPQEAVA IISAPRCHWR RRCLKDISLF LLLCNVILWI MPAFGARPHF SNTVEVDFYG YSLWAAIVNI CLPFGIFYRM HAVSSLLEVY VLS 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.

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: Otopetrin 2 (OTOP2)

Alternative Name: Otop2 ([OTOP2 Products](#))

Background: Proton channel OTOP2 (Otopetrin-2),FUNCTION: Proton-selective ion channel open at neutral pH (PubMed:35920807, PubMed:29371428, PubMed:37053086). Actives at neutral and alkaline extracellular pH , likely participates in some alkali-related physiological activities (PubMed:35920807, PubMed:37053086). {ECO:0000269|PubMed:29371428, ECO:0000269|PubMed:35920807, ECO:0000269|PubMed:37053086}.

Molecular Weight: 62.6 kDa

UniProt: [Q80SX5](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for

Application Details

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
