

Datasheet for ABIN7545902
ZIP2 Protein (AA 1-309) (His tag)



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Overview

Quantity:	1 mg
Target:	ZIP2 (Slc39a2)
Protein Characteristics:	AA 1-309
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZIP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC39A2 Protein expressed in mammalian cells.
Sequence:	MEQLLGIKLG CLFALLALTL GCGLTPICFK WFQIDAARGH HRLVLRLLGC ISAGVFLGAG FMHMTAEALE EIESQIQKFM VQNRASERN SSGDADSAHM EYPYGELIIS LGFFFVFFLE SLALQCCPGA AGGSTVQDEE WGGAHIFELH SHGHLPSPSK GPLRALVLLL SLSFHSVFEG LAVGLQPTVA ATVQLCLAVL AHKGLVVFGV GMRLVHLGTS SRWAVFSILL LALMSPLGLA VGLAVTGGDS EGGRGLAQAV LEGVAAGTFL YVTFLEILPR ELASPEAPLA KWSCVAAGFA FMAFIALWA 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:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	ZIP2 (Slc39a2)
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Alternative Name:	SLC39A2 (Slc39a2 Products)
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Background:	Zinc transporter ZIP2 (6A1) (Eti-1) (Solute carrier family 39 member 2) (Zrt- and Irt-like protein 2) (ZIP-2) (hZIP2),FUNCTION: Transporter for the divalent cation Zn(2+) (PubMed:10681536, PubMed:29791142, PubMed:30914478). Mediates the influx of Zn(2+) into cells from extracellular space. The Zn(2+) uniporter activity is independent of H(+)-driving force, but is modulated by extracellular pH and membrane potential. Transports also other divalent cations Zn(2+), Cd2(+), Cu2(+), Co2(+) in the order of decreasing affinity, respectively (PubMed:29791142, PubMed:30914478). In the skin, aids in the differentiation of keratinocytes in the epidermis (By similarity). {ECO:0000250 UniProtKB:G3X943, ECO:0000269 PubMed:10681536, ECO:0000269 PubMed:29791142, ECO:0000269 PubMed:30914478}.
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Molecular Weight:	32.7 kDa
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UniProt:	Q9NP94
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Pathways:	Autophagy
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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
