

[Go to Product page](#)

Datasheet for ABIN7561166

**SLC22A17 Protein (AA 1-401) (His tag)**

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | SLC22A17  |
| Protein Characteristics:      | AA 1-401  |
| Origin:                       | Mouse   |
| Source:                       | HEK-293 Cells                                   |
| Protein Type:                 | Recombinant                                     |
| Purification tag / Conjugate: | This SLC22A17 protein is labelled with His tag. |
| Application:                  | Western Blotting (WB), SDS-PAGE (SDS)           |

## Product Details

|                  |  |
|------------------|--|
| Purpose:         | Custom-made recombinat Slc22a17 Protein expressed in mammalien cells.  |
| Sequence:        | MPSARFGRRG IVLLTLGLVG PCGVGGAAAG SSTGIMALRF LLGFLLAGVD LGVYLMRLEL<br>CDPTQRLRVA LAGELVGVGG HFLFLGLALV SKDWRFLQRM ITAPCILFLF YGWPGLFLES<br>ARWLIVKRQI EEAQSVLRIL AERNRPHGQM LGEEAQEALQ ELENTCPLPA TSTFSFASLL<br>NYRNIWKLL ILGFTNFIAH AIRHCYQPVG GGGSPDFYL CSLLASGTAA LACVFLGVTV<br>DRFGRRGILL LSMTLTGIAS LVLLGLWDYL NDAAITTFVS LGLFSSQASA ILSTLLASEV<br>IPTTVRGRGL GLIMALGALG GLSCPAQLRH MGHGAFLQHV VLAACALLCI LSIMLLPETK<br>RKLLPEVLRD GELCRRPSSL RQPPNRCDH VPLLATPNPA L <b>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.</b> |
| Characteristics: | Key Benefits:  |

## Product Details

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- 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.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target: SLC22A17

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Alternative Name: Slc22a17 ([SLC22A17 Products](#))

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Background: Solute carrier family 22 member 17 (24p3 receptor) (24p3R) (Brain-type organic cation transporter) (Lipocalin-2 receptor),FUNCTION: Cell surface receptor for LCN2 (24p3) that plays a key role in iron homeostasis and transport. Able to bind iron-bound LCN2 (holo-24p3), followed by internalization of holo-24p3 and release of iron, thereby increasing intracellular iron concentration and leading to inhibition of apoptosis. Also binds iron-free LCN2 (apo-24p3), followed by internalization of apo-24p3 and its association with an intracellular siderophore, leading to iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration and resulting in apoptosis. {ECO:0000269|PubMed:16377569}.

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Molecular Weight: 43.2 kDa

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UniProt: [Q9D9E0](#)

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Pathways: [Transition Metal Ion Homeostasis](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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