

Datasheet for ABIN7554762
SLC17A3 Protein (AA 1-420) (His tag)



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Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | SLC17A3 |
| Protein Characteristics: | AA 1-420 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This SLC17A3 protein is labelled with His tag. |

Product Details

| | |
|--------------|---|
| Purpose: | Custom-made recombinant SLC17A3 Protein expressed in mammalian cells. |
| Sequence: | <p>MATKTELSPT ARESKNAQDM QVDETLIPRK VPSLCSARYG IALVLHFCNF TTIAQNVIMN ITMVAMVNST SPQSQLNDSS EVLPVDSFGG LSKAPKSLPA KSSILGGQFA IWEKWGPPQE RSRLCSIALS GMLLGCFITAI LIGGFISSETL GWPFVYIFG GVGVCVCLLW FVVIYDDPVS YPWISTSEKE YIISSLKQQV GSSKQPLPIK AMLRSLPIWS ICLGCFSHQW LVSTMVVIYIP TYISSVYHVN IRDNGLLSAL PFIVAVWIGM VGGYLADFL TTKFRLITVR KIATILGSLP SSALIVSLPY LNSGYITATA LLTLSCGLST LCQSGIYINV LDIAPRYSSF LMGASRGFSS IAPVIVPTVS GFLLSQDPEF GWRNVFFLLF AVNLLGLLFY LIFGEADVQE WAKERKLTRL 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> |
| 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:

SLC17A3

Alternative Name:

SLC17A3 ([SLC17A3 Products](#))

Background:

Sodium-dependent phosphate transport protein 4 (Na⁺)/PI cotransporter 4 (NPT4) (Sodium/phosphate cotransporter 4) (Solute carrier family 17 member 3),FUNCTION: [Isoform 2]: Transports organic anions in a voltage-driven, multispecific, manner, on the apical side of renal proximal tubule (PubMed:20810651). In particular, participates in the secretion of urate from the cell into the lumen (PubMed:20810651). Urate is the end product of purine metabolism (PubMed:20810651). May have roles in the metabolism and secretion of estrone sulfate, estradiol-17-beta-glucuronide, ochratoxin A, as wells as drugs such as bumetanide (PubMed:20810651). {ECO:0000269|PubMed:20810651, ECO:0000303|PubMed:20810651}.

Molecular Weight:

46.1 kDa

UniProt:

[O00476](#)

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
