

Datasheet for ABIN7551398
RHCG Protein (AA 1-479) (His tag)



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Overview

Quantity:	1 mg
Target:	RHCG
Protein Characteristics:	AA 1-479
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RHCG protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RHCG Protein expressed in mammalian cells.
Sequence:	<p>MAWNTNLRWR LPLTCLLLQV IMVILFGV FV RYDFEADAHW WSERTHKNLS DMENEFYYRY PSFQDVHVMV FVGFGLMTF LQRYGFSAVG FNFLAAGI QWALLMQGWF HFLQDRYIVV GVENLINADF CVASVCVAFG AVLGKVSP IQ LLIMTFFQVT LFAVNEFILL NLLKVKDAGG SMTIHTFGAY FGLTVTRILY RRNLEQSKER QNSVYQSDLF AMIGTLFLWM YWPSFN SAIS YHGDSQHRAA INTYC SLAAC VLTSVAISSA LHKKGK LDMV HIQNATLAGG VAVGTAAEMM LMPYGALIIG FVCGIISTLG FVYLTPFLES RLHIQDTCGI NNLHGIPGII GGIVGAVTAA SASLEVYGKE GLVHSFDFQG FNGDWTARTQ GKFQIYGLLV TLAMALMGGI IVGLILRLPF WGQPSDENC F EDAVYWEMPE GNSTVYIPED PTFKPSGPSV PSVPMVSPLP MASSVPLVP 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

Product Details

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:

RHCG

Alternative Name:

RHCG ([RHCG Products](#))

Background:

Ammonium transporter Rh type C (Rh glycoprotein kidney) (Rhesus blood group family type C glycoprotein) (Rh family type C glycoprotein) (Rh type C glycoprotein) (Tumor-related protein DRC2),FUNCTION: Ammonium transporter involved in the maintenance of acid-base homeostasis. Transports ammonium and its related derivative methylammonium across the plasma membrane of epithelial cells likely contributing to renal transepithelial ammonia transport and ammonia metabolism. Postulated to primarily mediate an electroneutral bidirectional transport of NH₃ ammonia species according to a mechanism that implies interaction of an NH₄(+) ion with acidic residues of the pore entry followed by dissociation of NH₄(+) into NH₃ and H(+). As a result NH₃ transits through the central pore and is protonated on the extracellular side reforming NH₄(+) (PubMed:11062476, PubMed:14761968, PubMed:15929723, PubMed:16477434, PubMed:16580862, PubMed:24077989). May act as a CO₂ channel providing for renal acid secretion (PubMed:24077989).

Target Details

{ECO:0000269|PubMed:11062476, ECO:0000269|PubMed:14761968,
ECO:0000269|PubMed:15929723, ECO:0000269|PubMed:16477434,
ECO:0000269|PubMed:16580862, ECO:0000269|PubMed:24077989}.

Molecular Weight: 53.2 kDa

UniProt: [Q9UBD6](#)

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