

Datasheet for ABIN7558907
RHBG Protein (AA 1-455) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	RHBG
Protein Characteristics:	AA 1-455
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RHBG protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rhbg Protein expressed in mammalian cells.
Sequence:	<p>MARVPRHRRRL VPLLCLLFQ GATALLFAIF VRYNHETDAA LWHWGNHNSNV DNEFYFRYPS</p> <p>FQDVHVMVFV GFGFLMVFLQ RYGFSSVGFT FLVASLTLQW ATLLQGFLHS FHGGHIHVG</p> <p>ESLINADFC A GAVLISFGAV LGKTGPAQLL LMALLEAVLF SVNEFILLSL LGVRDAGGSM</p> <p>TIHTFGAYFG LFLSWVLYRS QLEKSRHRQS SVYNSDLFAM IGTIFLWVFW PSFNSAPTAL</p> <p>GDGQHRTVVN TYYSLTASTL STFALSALVS GDGRLDMVHV QNAALAGGVV VGTSSSEMMLT</p> <p>PFGALAAGFL AGTVSTLGYK FFTPILESRF KLQDTCGVHN LHGMPGVLGA ILGVVVAALA</p> <p>THEAYGDGLQ SVFPLIAKGQ RSATSQAVYQ LFGMFVTLVF ASVGGSLLGGL LLRLPFLDSP</p> <p>PDSQCFEDQV YWEVPGEQET ETQRPLRGGE SDTRA</p> <p>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:

RHBG

Abstract:

[RHBG Products](#)

Background:

Ammonium transporter Rh type B (Rhesus blood group family type B glycoprotein) (Rh family type B glycoprotein) (Rh type B glycoprotein),FUNCTION: Ammonium transporter involved in the maintenance of acid-base homeostasis. Transports ammonium and its related derivative methylammonium across the basolateral plasma membrane of epithelial cells likely contributing to renal transepithelial ammonia transport and ammonia metabolism. May transport either NH₄(+) or NH₃ ammonia species predominantly mediating an electrogenic NH₄(+) transport (PubMed:15353405, PubMed:16131648, PubMed:20592240, PubMed:27681563) (By similarity). May act as a CO₂ channel providing for renal acid secretion (By similarity). {ECO:0000250|UniProtKB:Q9H310, ECO:0000269|PubMed:15353405, ECO:0000269|PubMed:16131648, ECO:0000269|PubMed:20592240, ECO:0000269|PubMed:27681563}.

Molecular Weight:

49.5 kDa

Target Details

UniProt: [Q8BUX5](#)

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