

Datasheet for ABIN7558821
RGS7BP Protein (AA 1-257) (His tag)



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Overview

Quantity:	1 mg
Target:	RGS7BP
Protein Characteristics:	AA 1-257
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RGS7BP protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Rgs7bp Protein expressed in mammalien cells.
Sequence:	<p>MSSAPNGRKK RPSRSTRSSI FQISKPLQS GDWERRGSGS ESAHKTQRAL DDCKMLVQEF</p> <p>NTQVALYREL VISIGDVSVS CPSLRAEMHK TRTKGCEMAR QAHQKLAAIS GPEDGEIHPE</p> <p>ICRLYIQLQC CLEMYTTEML KSICLLGSLQ FHRKGKEASG GAKNLDISKIE ENAETPALED</p> <p>SLSSPLESQQ QCWQVATDIE NTERDMREMK NLLSKLRETM PLPLKNQDDS SLLNLTPYPM</p> <p>VRRRKRRFFG LCCLVSS 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>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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, Western Blot

Grade: custom-made

Target Details

Target: RGS7BP

Alternative Name: Rgs7bp ([RGS7BP Products](#))

Background: Regulator of G-protein signaling 7-binding protein (R7 family-binding protein),FUNCTION: Regulator of G protein-coupled receptor (GPCR) signaling. Regulatory subunit of the R7-Gbeta5 complexes that acts by controlling the subcellular location of the R7-Gbeta5 complexes. When palmitoylated, it targets the R7-Gbeta5 complexes to the plasma membrane, leading to inhibit G protein alpha subunits. When it is unpalmitoylated, the R7-Gbeta5 complexes undergo a nuclear/cytoplasmic shuttling. May also act by controlling the proteolytic stability of R7 proteins, probably by protecting them from degradation. {ECO:0000269|PubMed:15897264, ECO:0000269|PubMed:16574655, ECO:0000269|PubMed:16867977, ECO:0000269|PubMed:17158100}.

Molecular Weight: 29.0 kDa

UniProt: [Q8BQP9](#)

Application Details

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.

Application Details

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