

Datasheet for ABIN7552026

ADRA1B Protein (AA 1-520) (His tag)



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Overview

Quantity:	1 mg
Target:	ADRA1B
Protein Characteristics:	AA 1-520
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADRA1B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ADRA1B Protein expressed in mammalian cells.
Sequence:	<p>MNPDLDTGHN TSAPAHWGEL KNANFTGPNQ TSSNSTLPQL DITRAISVGL VLGAFILFAI VGNILVILSV ACNRHLRTPT NYFIVNLAMA DLLLSFTVLP FSAALEVLGY WVLGRIFCDI WAAVDVLCCT ASILSLCAIS IDRYIGVRY S LQYPTLVTRR KAILALLSVW VLSTVISIGP LLGWKEPAPN DDKECGVTEE PFYALFSSLG SFYIPLAVIL VMYCRVYIVA KRTTKNLEAG VMKEMSNSKE LTLRIHSKNF HEDTLSSTKA KGHNPRSSIA VKLFKFSREK KAAKTLGIVV GMFILCWLPF FIALPLGSLF STLKPPDAVF KVVFWLGYFN SCLNPIIYPC SSKEFKRAFV RILGCQCRGR GRRRRRRRRR LGGCAYTYRP WTRGGSLERS QSRKDSLDDS GSCLSGSQRT LPSASPSPGY LGRGAPPVE LCAFPEWKAP GALLSLPAPE PPGRGRHDS GPLFTFKLLT EPESPGTDGG ASNGGCEAAA DVANGQPGFK SNMPLAPGQF 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</p>

request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

ADRA1B

Alternative Name:

ADRA1B ([ADRA1B Products](#))

Background:

Alpha-1B adrenergic receptor (Alpha-1B adrenoreceptor) (Alpha-1B adrenoceptor),FUNCTION: This alpha-adrenergic receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Its effect is mediated by G(q) and G(11) proteins. Nuclear ADRA1A-ADRA1B heterooligomers regulate phenylephrine (PE)-stimulated ERK signaling in cardiac myocytes. {ECO:0000269|PubMed:18802028, ECO:0000269|PubMed:22120526}.

Molecular Weight:

56.8 kDa

UniProt:

[P35368](#)

Pathways:

[AMPK Signaling](#), [Carbohydrate Homeostasis](#), [Regulation of Carbohydrate Metabolic Process](#)

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.

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