

Product datasheet

Recombinant Human GPCR MRGX2 protein ab165129

[1 References](#) [1 Image](#)

Description

Product name	Recombinant Human GPCR MRGX2 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MDPTTPAWGTESTTVNGNDQAPLLLGGKETLIPVFLILFIAL VGLVGNGF VLWLLGFRMRRNAFSVYVLSLAGADFLFLCFQIINCLVYLS NFFCSISIN FPSFFTTVMTCAYLAGLSMLSTVSTERCLSVLWPMYRCR RPRHLSAVVC VLLWALSLLLSILEGKFCGFLFSDGDSGWCQTFDFITA AW LIFLFMVLCG SSLALLVRILCGSRGLPLTRLTYLTILLTVLVFLLCGLPFGIQW FLILWIW KDSDVLFCHIHVSVVLSLSSANPIYFFVGSFRKQWRL QQPILKRAL QRALQDIAEVDHSEGCFRQGTPEMSRSSLV
Amino acids	1 to 330
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab165129** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid

Additional notes

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function

Orphan receptor. Probably involved in the function of nociceptive neurons. May regulate nociceptor function and/or development, including the sensation or modulation of pain. Cortistatin-14 seems to be a high potency ligand at this receptor. Cortistatin has several biological functions including roles in sleep regulation locomotor activity, and cortical function. In receptor-expressing cells, cortistatin-stimulated increases in intracellular Ca(2+) but had no effect on basal or forskolin-stimulated cAMP levels, suggesting that this receptor is G(q)-coupled.

Tissue specificity

Has a limited expression profile, both peripheral and within the central nervous system, with highest levels in dorsal root ganglion.

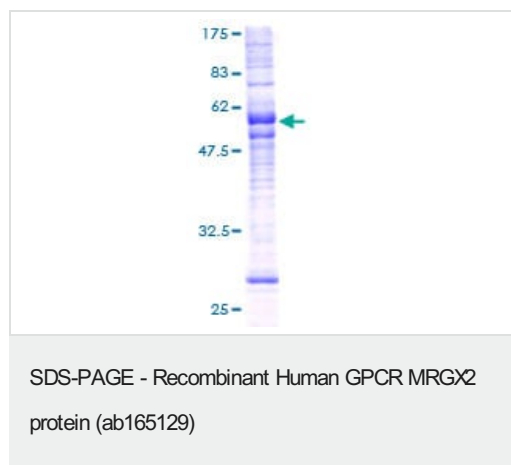
Sequence similarities

Belongs to the G-protein coupled receptor 1 family. Mas subfamily.

Cellular localization

Cell membrane.

Images



ab165129 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors