

Datasheet for ABIN7548076
GMPR2 Protein (AA 1-348) (His tag)



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Overview

Quantity:	1 mg
Target:	GMPR2
Protein Characteristics:	AA 1-348
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GMPR2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GMPR2 Protein expressed in mammalian cells.
Sequence:	<p>MPHIDNDVKL DFKDVLLRPK RSTLKSRSSEV DLTRSFSFRN SKQTYSGVPI IANMDTVGT FEMAKVLCKF SLFTAVHKHY SLVQWQEFAG QNPDCLEHLA ASSGTGSSDF EQLEQILEAI PQVKYICLDV ANGYSEHFVE FVKDVRKRFP QHTIMAGNVV TGEMVEELIL SGADIIVKGI GPGSVCTTRK KTGVGYPQLS AVMECADA AH GLKGHIISDG GCSCPGDVAK AFGAGADFVM LGGMLAGHSE SGGELIERDG KKYKLFYGM S SEMAMKKYAG GVAEYRASEG KTVEVPFKGD VEHTIRDILG GIRSTCTYVG AAKLKELSR TTFIRVTQQV NPIFSEAC 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 isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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:	GMPR2
Alternative Name:	GMPR2 (GMPR2 Products)
Background:	GMP reductase 2 (GMPR 2) (EC 1.7.1.7) (Guanosine 5'-monophosphate oxidoreductase 2) (Guanosine monophosphate reductase 2),FUNCTION: Catalyzes the irreversible NADPH-dependent deamination of GMP to IMP. It functions in the conversion of nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and in maintaining the intracellular balance of A and G nucleotides (PubMed:12009299, PubMed:12669231, PubMed:16359702, PubMed:22037469). Plays a role in modulating cellular differentiation (PubMed:12669231). {ECO:0000255 HAMAP-Rule:MF_03195, ECO:0000269 PubMed:12009299, ECO:0000269 PubMed:12669231, ECO:0000269 PubMed:16359702, ECO:0000269 PubMed:22037469}.
Molecular Weight:	37.9 kDa
UniProt:	Q9P2T1

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
