

Datasheet for ABIN7562795

GPR52 Protein (AA 1-361) (His tag)



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Overview

Quantity:	1 mg
Target:	GPR52
Protein Characteristics:	AA 1-361
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR52 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Gpr52 Protein expressed in mammalian cells.
Sequence:	<p>MNESRWTEWR ILNMSSSIVN VSEHHSCPLG FGHYSVEDVC IFETVVIVLL TFLIISGNLT VIVVFHCAPL LHHYTTSYFI QTMAYADLLV GVTCLVPTLS LLHYSTGVHE SLTCQVFGYI ISVLKSVSMA CLACISVDYR LAITKPLSYN QLVTPCRLRI CIIMIWIYSC LIFLPSFFGW GKPGYHGDIF EWCATSWLTS AYFTCFIVCL LYAPAALVVC FTYFHIFKIC RQHTKEINDR RARFPSHEVE ASREAGHSPD RRYAMVLFRI TSVFYMLWLP YIIYFLESS RVLNPTLSF LTTWLAIENS FCNCVIYSL NSVFRLGLRR LSETMCTSCV CAKDQEAQDP KPRRRANCS I</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 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:	GPR52
Alternative Name:	Gpr52 (GPR52 Products)
Background:	<p>G-protein coupled receptor 52,FUNCTION: G- protein coupled receptor activated by antipsychotics reserpine leading to an increase in intracellular cAMP and its internalization (By similarity). May play a role in locomotor activity through modulation of dopamine, NMDA and ADORA2A-induced locomotor activity. These behavioral changes are accompanied by modulation of the dopamine receptor signaling pathway in striatum (PubMed:24587241, PubMed:28583861). Modulates HTT level via cAMP-dependent but PKA independent mechanisms through activation of RAB39B that translocates HTT to the endoplasmic reticulum, thus avoiding proteasome degradation (PubMed:25738228).</p> <p>{ECO:0000250 UniProtKB:Q9Y2T5, ECO:0000269 PubMed:24587241, ECO:0000269 PubMed:25738228, ECO:0000269 PubMed:28583861}.</p>
Molecular Weight:	41.3 kDa
UniProt:	P0C5J4

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