

Product datasheet for PH318780

GPR56 (ADGRG1) (NM_201524) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GPR56 MS Standard C13 and N15-labeled recombinant protein (NP_958932)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218780
Predicted MW:	74.3 kDa
Protein Sequence:	>RC218780 representing NM_201524 Red=Cloning site Green=Tags(s)

MTPQSLLQTTFLLSLLFLVQGAHGRGHREDFRCSQRNQTHRSSLHYKPTPDLRISIENSEEALTVHAP
FPAAHPASRSFPDPRGLYHFCLYWRHAGRLHLLYGKRDFLSDKASSLLCFQHQEESLAQGPPLLATSV
TSWWSQNI SLPSAASF TFSHSPHTAAHNASVDMCELKRDQLLSQFLKHPQKASRRPSAAPASQQLQ
SLESKLT SVRFMGDMVSFEEDRINATVWKLQPTAGLQDLHIHSRQEEEQSEIMEYSVLLPRTLFRQTKGR
RGEAEKRLLLVDFSSQALFQDKNSSQVLGEKVLGIVVQNTKVANLTPVVLTFFQHQLQPKNVTLCQVFWV
EDPTLSSPGHSSAGCETVRRETQTSCFCNHLTYFAVLMVSSVEVDAVHKHYLSLLSYVGCVVSAACL
TIAAYLCSRRKPRDYTIKVMNLLLAVFLLDTSFLLSEPVALTGSEAGCRASAI FLHF SLLTCLSWMGLE
GYNLYRLVVEVFGTYVPGYLLKLSAMGWGFPIFLVTLVALVDVNYGPIILAVHRTPEGVIYPSMCWIRD
SLVSYITNLGLFSLVFLFNMAMLATMVVQILRLRPHTQKWSHVL TLLGLSLVLGLPWALIFFSFASGTFQ
LVVLYLFSIITSFQGF LIFIWYWSMRLQARGGPSPLKSNSDSARLPISSGSTSSSRI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_958932
RefSeq Size:	3919



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RefSeq ORF: 2061

Synonyms: BFPP; BPPR; GPR56; TM7LN4; TM7XN1

Locus ID: 9289

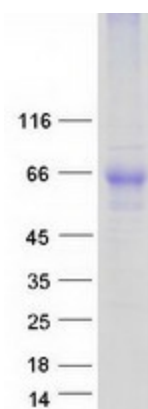
UniProt ID: [Q9Y653](#), [A0A0S2Z517](#), [B3KQV4](#)

Cytogenetics: 16q21

Summary: This gene encodes a member of the G protein-coupled receptor family and regulates brain cortical patterning. The encoded protein binds specifically to transglutaminase 2, a component of tissue and tumor stroma implicated as an inhibitor of tumor progression. Mutations in this gene are associated with a brain malformation known as bilateral frontoparietal polymicrogyria. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

Protein Families: Druggable Genome, GPCR, Transmembrane

Product images:



Coomassie blue staining of purified ADGRG1 protein (Cat# [TP318780]). The protein was produced from HEK293T cells transfected with ADGRG1 cDNA clone (Cat# [RC218780]) using MegaTran 2.0 (Cat# [TT210002]).