

Recombinant Human ADGRG1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADGRG1-4663H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GPR56 MS Standard C13 and N15-labeled recombinant protein (NP_005673) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	77.7 kDa
AA Sequence	MTPQSLLQTTLFLLSLLFLVQGAHGRGHREDFRCSQRNQTHRSSLHYKPTPDLRIS IENSEEALTVHAPFPAAPASRSFPDPRGLYHFCLYWNRHAGRLHLLYGKRDFFLLSD KASSLLCFQHQEESLAQGPPLLATSVTSWWSPQNISLPSAASFTFSFHSPHTAAHN ASVDMCELKRDQLLSQFLKHPQKASRRPSAAPASQQQLQSLESKLTSVRFMGDMV SFEEDRINATVWKLQPTAGLQDLHIHSRQEEEQSEIMEYSVLLPRTLTFQRTKGRSGE AEKRLLLVDFSSQALFQDKNSSHVLGEKVLGIVVQNTKVANLTEPVVLTFAQHLQPK NVTLQCVFWVEDPTLSSPGHWSSAGCETVRRETQTSCFCNHLTYFAVLMVSSVEV

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DAVHKHYLSLLSYVGCVVSALACLVTIAAYLCSRVPPLPCRRKPRDYTIKVHMNLLAV
 FLLDTSFLLSEPVALTGSEAGCRASAIHLHFSLLTCLSWMGLEGYNLYRLVVEVFGTY
 VPGYLLKLSAMGWGFPIFLVTLVALVDVDNYGPIILAVHRTPEGVIYPSMCWIRDSL
 SYITNLGLFSLVFLFNMAMLATMVVQILRLRPHTQKWSHVLTLGLSLVLGLPWALIFF
 SFASGTFQLVVLYLFSIITSFQGFLIFIWYWSMRLQARGGPSPLKSNSDSARLPISG
 STSSSRITRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [ADGRG1](#) [adhesion G protein-coupled receptor G1](#) [[Homo sapiens \(human\)](#)]

Official Symbol [ADGRG1](#)

Synonyms ADGRG1; adhesion G protein-coupled receptor G1; BFPP; BPPR; GPR56; TM7LN4; TM7XN1; adhesion G-protein coupled receptor G1; 7-transmembrane protein with no EGF-like N-terminal domains-1; G protein-coupled receptor 56; testicular tissue protein Li 77

Gene ID [9289](#)

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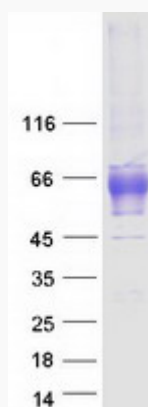
mRNA Refseq [NM_005682](#)

Protein Refseq [NP_005673](#)

MIM [604110](#)

UniProt ID [Q9Y653](#)

SDS-PAGE



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