

Product datasheet for **TP510044**

Adgrg1 (NM_018882) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse adhesion G protein-coupled receptor G1 (Adgrg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210044 protein sequence Red =Cloning site Green =Tags(s)

MAVQVLRQMVFLLSLFSLVQGAHSGSPREDFRFCGQRNQTQQSTLHYDQSSEPHIFVWNTTEETLTIRAP
FLAAPDIPRFFPEPRGLYHFCLYWSRHTGRLHLRYGKHDYLLSSQASRLLCFQKQEQSLKQGAPLIATSV
SSWQIPQNTSLPGAPSFIFSHNAPHKVSHNASVDMCDLKKELQQLSRYLQHPQKAAKRPTAAFISQQLQ
SLESKLTSVSFLGDTLSFEEDRVNATVWKLPPTAGLEDLHIHSQKEEQSEVQAYSLLLPRAVFQQTRGR
RRDDAKRLLVDFSSQALFQDKNSSQVLGEKVLGIWQNTKVTNLSDPVVLTQHQPKNVTLQCVFWV
EDPASSSTGSWSSAGCETVSRDTQTSCLCNHLYFAVLMVSSTEVEATHKHLYTLLSYVGCVISALACVF
TIAAYLCSRRKSRDYTIKVMNLLSAVFLLDVFSLLSEPVALTGSEAACRTSAMFLHFSLLAACLSWMGLE
GYNLYRLVVEVFGTYVPGYLLKLSIVGWGFPVFLVTLVALVDVNNYGPILAVRRTPERVTYPSMCWIRD
SLVSYVTNLGLFSLVFLNLAMLATMVVQILRLRPHSQNWPHVLTLLGLSLVGLPWALVFFSFASGTFQ
LVILYLSIITSFQGLIFLWYWSMRFQAQGGPSPLKNNSDSAKLPISSGSTSSSRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	77.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_061370](#)

Locus ID: 14766

UniProt ID: [Q8K209](#)

RefSeq Size: 3555

Cytogenetics: 8 47.12 cM

RefSeq ORF: 2064

Synonyms: Cyt28; Gpr56; TM7LN4; TM7XN1

Summary: Receptor involved in cell adhesion and probably in cell-cell interactions. Mediates cell matrix adhesion in developing neurons and hematopoietic stem cells. Receptor for collagen III/COL3A1 in the developing brain and involved in regulation of cortical development, specifically in maintenance of the pial basement membrane integrity and in cortical lamination (PubMed:21768377). Binding to the COL3A1 ligand inhibits neuronal migration and activates the RhoA pathway by coupling to GNA13 and possibly GNA12 (By similarity). Plays a role in the maintenance of hematopoietic stem cells and/or leukemia stem cells in bone marrow niche (PubMed:23478665). Plays a critical role in tumourigenesis (By similarity). Plays essential role in testis development (PubMed:20981830).[UniProtKB/Swiss-Prot Function]