

Product Information

MemDX™ Membrane Protein Human ADGRB1 (Adhesion G protein-coupled receptor B1)

Full Length

Cat. No.: **MPC0003K**

This product is for research use only and is not intended for diagnostic use.

This product is a 173 kDa Human ADGRB1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ADGRB1

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

173 kDa

TMD

7

Sequence

MRGQAAAPGPVWILAPLLLLLLLLGRRARAAAGADAGPGPEPCATLVQ GK
FFGYFSAAAVFPANASRCSWTLRNPDP RRYTLYMKVAKAPVPCSGPGRVR
TYQFDSFLESTRTYLGVESFDEVLRLCDPSAPLAFLQASKQFLQMRRQQP
PQHDGLRPRAGPPGPTDDFSVEYLVVGNRNPSRAACQMLCRWLDACLAGS
RSSHPCGIMQTPCACLGGEAGGPAAGPLAPRGDVCLRDAVAGGPENCLTS
LTQDRGGHGATGGWKLWSLWGECTRDCGGGLQTRTRTCLPAPGVEGGGCE
GVLEEGRQCNRACGPAGRTSSRSQSLRSTDARRREELGDELQQFGFPAP
QTGDPAAEEWSPWSVCSSTCGEGWQTRTRFCVSSSYSTQCSGPLREQRLC
NNSAVCPVHGAWDEWSPWSLCSSTCGRGFRDRTRTCRPPQFGGNPCEGPE
KQTKFCNIALCPGRAVDGNWNEWSSWSACSASCSQGRQQRTRCNGPSYG
GAECQGHWWETRDCFLQQCPVDGKWQAWASWGSCSVTCGAGSQRRERVCS
GPFFGGAACQGPQDEYRQCGTQRCPEPHEICDEDNFGAVIWKETPAGEVA
AVRCPRNATGLILRRCELDEEGIAYWEPPTYIRCVSIDYRNIQMMTREHL
AKAQRGLPGEGVSEVIQTLVEISQDGTSGDLLSTIDVLRNMTEIFRRA
YYSPTPGDVQNFVQILSNLLAEENRDKWEEAQLAGPNAKELFRLVEDFVD
VIGFRMKDLRDAYQVTDNLVLSIHKLPASGATDISFPMKGWRATGDWAKV
PEDRVTVSKSVFSTGLTEADEASVFVVGTVLYRNLGSFLALQRNTTVLNS
KVISVTVKPPPSRLRTPLEIEFAHMYNGTTNQTCLWDETDPSSSAPPQ
LGPWSWRCRTVPLDALRTRCLCDRLSTFAILAQLSADANMEKATLPSVT

LIVGCGVSSLTLLMLVIIYVSVWRYIRSERSVILINFCLSISSNALILI
GQTQTRNKVVCTLVAAFLHFFFLSSFCWVLTEAWQSYMAVTGHLRNRLIR
KRFLCLGWGLPALVVAISVGFTKAKGYSTMNYCWLSEGGLLYAFVGPAA
AVVLVNMVIGILVFNKLVSKDGITDKKKLKERAGASLWSSCVVLPALLTW
MSAVLAVTDRRSALFQILFAVFDSELEGFVVMVHCILRREVQDAVKCRVV
DRQEEGNDSGGSFQNGHAQLMTDFEKDVDLACRSVLNKDIAACRTATIT
GTLKRPSLPEEEKLKLAHAKGPPTNFNSLPANVSKLHLHGSPRYPGGPLP
DFPNHSLTLKRDKAPKSSFVGDGDIFKKLDSELSRAQEKALDTSYVILPT
ATATLRPKPKKEEPKYSIHIDQMPQTRLIHLSTAPEASLPARSPPSRQPPS
GGPPEAPPAQPPPPPPPPPPPPQQLPPPPNLEPAPPSLGDPGEPAAHPG
PSTGPSTKNENVATLSVSSLERRKSRYAELDFEKIMHTRKRHQDMFQDLN
RKLQHAAEKDKEVLGPD SKPEKQQT PKNRPWESLRKAHGTPTWVKELEP
LQPSPLELRSVEWERSGATIPLVGQDIIDLQTEV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ADGRB1

Full Name

Adhesion G protein-coupled receptor B1

Introduction

Angiogenesis is controlled by a local balance between stimulators and inhibitors of new vessel growth and is suppressed under normal physiologic conditions. Angiogenesis has been shown to be essential for growth and metastasis of solid tumors. In order to obtain blood supply for their growth, tumor cells are potentially angiogenic and attract new vessels as results of increased secretion of inducers and decreased production of endogenous negative regulators. BAI1 contains at least one 'functional' p53-binding site within an intron, and its expression has been shown to be induced by wildtype p53. There are two other brain-specific angiogenesis inhibitor genes, designated BAI2 and BAI3 which along with BAI1 have similar tissue specificities and structures, however only BAI1 is transcriptionally regulated by p53. BAI1 is postulated to be a member of the secretin receptor family, an inhibitor of angiogenesis and a growth suppressor of glioblastomas.

Alternative Names

BAI1; GDAIF; brain-specific angiogenesis inhibitor 1; ADGRB1; Adhesion G protein-coupled receptor B1

Gene ID

[575](#)

UniProt ID

[O14514](#)