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Product Information

MemDX™ Membrane Protein Human GPRC5A (G protein-coupled receptor class C group 5 member A) for Antibody Discovery

Cat. No.: **MP0630J**
This product is for research use only and is not intended for diagnostic use.

This product is a 40.1 kDa Human GPRC5A membrane protein expressed in HEK293T. 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
GPRC5A

Protein Length
Full-length

Protein Class
Druggable Genome, GPCR, Transmembrane

Molecular Weight
40.1 kDa

TMD
7

Sequence
MATTVPDGCRNGLKSKYYRLCDKAEAWGIVLETVATAGVVTSVAFMLTLPILVCKVQDSNRRKMLPTQFL
FLLGVLGIFGLTFAFIIGLDGSTGPTRFFLFGILFSICFSCLLAHAVSLTKLVRGRKPLSLLVILGLAVG
FSLVQDVIAIEYIVLTMNRTNVNVFSELSAPRRNEDFVLLLTYVLFLMALTFLMSSFTFCGSFTGWKRHG
AHIYLTMLLSIAIWVAWITLLMLPDFDRRWDDTILSSALAANGWVFLLAYVSPEFWLLTKQRNPMDYPVE
DAFCKPQLVKKSYGVENRAYSQEEITQGFEETGDTLYAPYSTHFQLQNQPPQKEFSIPRAHAWPSPYKDY
EVKKEGS

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

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

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

GPRC5A

Full Name

G protein-coupled receptor class C group 5 member A

Introduction

This gene encodes a member of the type 3 G protein-coupling receptor family, characterized by the signature 7-transmembrane domain motif. The encoded protein may be involved in interaction between retinoid acid and G protein signalling pathways. Retinoic acid plays a critical role in development, cellular growth, and differentiation. This gene may play a role in embryonic development and epithelial cell differentiation.

Alternative Names

RAI3; TIG1; RAIG1; GPCR5A; PEIG-1

Gene ID

9052

UniProt ID

Q8NFJ5

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