

## Product Information

### MemDX™ Membrane Protein Human GPR153 (G protein-coupled receptor 153) Full Length

Cat. No.: **MPC0131K**

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

This product is a 65.3 kDa Human GPR153 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

GPR153

##### Protein Length

Full length

##### Protein Class

GPCR

##### Molecular Weight

65.3 kDa

##### TMD

7

##### Sequence

MSDERRLPGSavgwlvCGGLSLLANawGILSVgAKQKKWkPLEFLLCTLA  
ATHMLNVAVPIATYSVVQLRRQRPDFEWNEGLCKVFVSTFYTLTLATCFS  
VTLSYHRMWMVCWPVNYRLSNAKKQAVHTVMGIWMVFSFILSALPAVGWH  
DTSERFYTHGCRFIVAEIGLGFGVCFLLLVGGSVAMGVICTAIALFQTLA  
VQVGRQADRRRAFTVPTIVVEDAQGKRRSSIDGSEPAKTSLQTTGLVTTIV  
FIYDCLMGFPVLVVSFSSLRADASAPWMALCVLWCSVAQALLPVFLWAC  
DRYRADLKAVREKCMALMANDEESDDETSLEGGISPDLVLESLDYGYGG  
DFVALDRMAKYEISALEGGLPQLYPLRPLQEDKMQYLQVPPTRRFSHDDA  
DVWAAVPLPAFLPRWGSGEDLAALAHVLVPAGPERRRRASLLAFAEDAPPS  
RARRRSAESLLSLRPSALDSGPRGARDSPPGSPRRRPGPGPRSASASLLP  
DAFALTAFECEPQALRRPPGPFPAAPADGADPGEAPTPSSAQRSPGP  
RPSAHSHAGSLRPLSASWGEPGGLRAAGGGGSTSSFLSSPSESSGYATL  
HSDSLGSAS

#### 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**

GPR153

**Full Name**

G protein-coupled receptor 153

**Introduction**

This gene encodes an integral membrane protein that belongs to the Class A rhodopsin superfamily of G protein coupled receptors. The encoded protein is expressed primarily in the central nervous system. A knockdown of the orthologous gene in rat is associated with a significant reduction in food intake and impaired decision making ability. Mutations in this gene are associated with schizophrenia, autism, and other neuropsychiatric disorders. The expression of this gene is activated by the glioma-associated oncogene homolog 1 transcription factor which, in turn, is activated by sonic hedgehog in normal and tumorigenic cells.

**Alternative Names**

PGR1; probable G-protein coupled receptor 153; G-protein coupled receptor PGR1; GPR153; G protein-coupled receptor 153

**Gene ID**

[387509](#)

**UniProt ID**

[Q6NV75](#)