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Product Information

MemDX™ Membrane Protein Human GPR153 (G protein-coupled receptor 153) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX3644K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human GPR153 membrane protein expressed *in vitro E.coli* expression system. 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

TMD
7

Sequence
MSDERRLPGSAVGWLVCGGLSLLANAWGILSVGAKQKKWKPLEFLLCTLAATHMLNVAVPIATYSVVQLRRQRPDFEWNEGLCKV

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

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

Gene ID

387509

UniProt ID

Q6NV75