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Product Information

MemDX™ Membrane Protein Human HTR3D (5-hydroxytryptamine receptor 3D) Full Length

Cat. No.: **MPC1996K**
This product is for research use only and is not intended for diagnostic use.

This product is a 50.1 kDa Human HTR3D 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
HTR3D

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
50.1 kDa

TMD
4

Sequence
MQKHSPGPPALALLSQSLLTTGNGDTLIINCPGFGQHRVDPAAFQAVFDR
KAIGPVTNYSVATHVNISFTLSAIWNCYSRIHTFNCHHARPWHNQFVQWN
PDECGGIKKSGMATENLWLSDVFIEESVDQTPAGLMASMSIVKATSNTIS
QCGWSASANWTPSISPSMDRARAWRRMSRSFQIHHRTSFRTRREWVLLGI
QKRTIKVTVATNQYEQAIFHVAIRRRCRPSPYVVNFLVPSGILIAIDALS
FYLPLESGNCAPFKMTVLLGYSVFLLMMNDLLPATSTSSHASLVAPLALM
QTPLPAGVYFALCLSLMVGSLLETIFITHLLHVATTQPLPLPRWLHSLLL
HCTGQGRCCPTAPQKGNKGPGLTPTHLPGVKEPEVSAGQMPGPGEAELTG
GSEWTRAQREHEAQKQHSVELWVQFSHAMDALLFRLYLLFMASSIITVIC
LWNT

Product Description

Expression Systems
HEK293

Tag

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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 -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

HTR3D

Full Name

5-hydroxytryptamine receptor 3D

Introduction

The protein encoded this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit D of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a mitogen and a hormone. This hormone has been linked to neuropsychiatric disorders, including anxiety, depression, and migraine. Serotonin receptors causes fast and depolarizing responses in neurons following activation. The genes encoding subunits C, D and E of this type 3 receptor form a cluster on chromosome 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alternative Names

HTR3D; 5HT3D; 5-hydroxytryptamine (serotonin) receptor 3 family member D; 5-hydroxytryptamine (serotonin) receptor 3D, ionotropic; 5-hydroxytryptamine receptor 3 subunit D; serotonin 5-HT-3D receptor; serotonin receptor 3D; 5-hydroxytryptamine receptor 3D

Gene ID

200909

UniProt ID

Q70Z44

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