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Product Information

MemDX™ Membrane Protein Human GJA8 (Gap junction protein alpha 8) expressed in HEK293T for Antibody Discovery

Cat. No.: **MP1227J**
This product is for research use only and is not intended for diagnostic use.

This product is a 48 kDa Human GJA8 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
GJA8

Protein Length
Full-length

Protein Class
Druggable Genome, Ion Channels: Other, Transmembrane

Molecular Weight
48 kDa

TMD
4

Sequence
MGDWSFLGNILEEVNEHSTVIGRVWLTVLFIFRILILGTAAEFVWGDEQSDFVCNTQQPGCENVCYDEAF
PISHIRLWVLQIIFVSTPSLMYVGHAVHYVRMEEKRKSREAEELGQQAGTNGGPDQGSVKKSSGSKGTKK
FRLEGTLLRTYICHIIFKTLFEVGFIVGHYFLYGFRILPLYRCSRWPCPNVVDCFVSRPTEKTIFILFML
SVASVSLFLNVMELGHLGLKGIRSALKRPVEQPLGEIPEKSLHSIAVSSIQKAKGYQLLEEEKIVSHYFP
LTEVGMVETSPLPAKPFNQFEEKISTGPLGDLSRGYQETLPSYAQVGAQEVEGEGPPAEEGAEPEVGEKK
EEAERLTTEEQEKVAVPEGEKVETPGVDKEGEKEEPQSEKVSKQGLPAEKTPSLCPELTTDDARPLSRLS
KASSRARSDDLTV

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

GJA8

Full Name

Gap junction protein alpha 8

Introduction

This gene encodes a transmembrane connexin protein that is necessary for lens growth and maturation of lens fiber cells. The encoded protein is a component of gap junction channels and functions in a calcium and pH-dependent manner. Mutations in this gene have been associated with zonular pulverulent cataracts, nuclear progressive cataracts, and cataract-microcornea syndrome.

Alternative Names

CAE; CAE1; CTRCT1; CX50; CZP1; MP70; cell surface glycoprotein; connexin 50; gap junction alpha 8; gap junction membrane channel protein alpha-8; gap junction protein alpha 8 50kDa; lens fiber protein MP70; lens intrinsic membrane protein MP70

Gene ID

2703

UniProt ID

P48165

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