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Product Information

MemDX™ Membrane Protein Human RNF103 (Ring finger protein 103) Full Length

Cat. No.: **MPC4709K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human RNF103 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
RNF103

Protein Length
Full length

Protein Class
Transferase

TMD
4

Sequence
MWLKLFFLLLYFLVLFVLARFFEAIVWYETGIFATQLVDPVALSFKKLKT
ILECRGLGYSGLPEKKDVRELVEKSGDLMEGELYSALKEEEASESVSSTN
FSGEMHFYELVEDTKDGIWLVQVIANDRSPLVGKIHWEKMVKKVSRFGIR
TGTFNCSSDPRYCRRRGWVRSTLIMSVPQTSTSKGKVMLKEYSGRKIEVE
HIFKWITAHAASRIKTIYNAEHLKEEWNKSDQYWLKIYLFANLDQPPAFF
SALSIKFTGRVEFIFVNVENWDNKSYMTDIGIYNMPSYILRTPEGIYRYG
NHTGEFISLQAMDSFLRSLQPEVNDLFVLSLVLVNLMAWMDLFITQGATI
KRFVVLISTLGTYNSLLIISWLPVLGFLQLPYLDSFYEYSLKLLRYSNTT
TLASWVRADWMFYSSHPALFLSTYLGHGLLIDYFEKKRRRNNNNDEVNAN
NLEWLSSLWDWYTSYLFHPIASFQNFPVESDWDEDPDLFLERLAFPDLWL
HPLIPTDYIKNLPMWRFKCLGVQSEEEMSEGSQDTENDSESENTDTLSSE
KEVFEDKQSVLHNSPGTASHCDAEACSCANKYCQTSPCERKGRSYGSYNT
NEDMEPDWLTWPADMLHCTECVVCLENFENGCLLMGLPCGHVFHQNCIVM
WLAGGRHCCPVCRWPSYKKKQPYAQHQPLSNDVPS

Product Description

Expression Systems
HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

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

RNF103

Full Name

Ring finger protein 103

Introduction

The protein encoded by this gene contains a RING-H2 finger, a motif known to be involved in protein-protein and protein-DNA interactions. This gene is highly expressed in normal cerebellum, but not in the cerebral cortex. The expression of the rat counterpart in the frontal cortex and hippocampus was shown to be induced by elctroconvulsive treatment (ECT) as well as chronic antidepressant treatment, suggesting that this gene may be a molecular target for ECT and antidepressants. The protein is a ubiquitin ligase that functions in the endoplasmic reticulum-associated degradation pathway. Alternative splicing of this gene results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream CHMP3 (charged multivesicular body protein 3) gene.

Alternative Names

RNF103; KF1; KF-1; HKF-1; ZFP103; ZFP-103; E3 ubiquitin-protein ligase RNF103; RING-type E3 ubiquitin transferase RNF103; zinc finger protein 103 homolog; zinc finger protein expressed in cerebellum; Ring finger protein 103

Gene ID

7844

UniProt ID

O00237

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