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Product Information

MemDX™ Membrane Protein Human FLRT2 (Fibronectin leucine rich transmembrane protein 2) Full Length

Cat. No.: **MPC1194K**
This product is for research use only and is not intended for diagnostic use.

This product is a 74 kDa Human FLRT2 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
FLRT2

Protein Length
Full length

Protein Class
Cell adhesion

Molecular Weight
74 kDa

TMD
1

Sequence
MGLQTTKWPSHGAFFLKSWLIISLGLYSQVSKLLACPSVCRCDRNFVYCN
ERSLTSVPLGIPEGVTVLYLHNNQINNAGFPAELHNVQSVHTVYLYGNQL
DEFPMNLPKNVRVLHLQENNIQTISRAALAQLLKLEELHLDDNSISTVGV
EDGAFREAISLKLLFLSKNHLSSVPVGLPVDLQELRVDENRIAVISDMAF
QNLTSLERLIVDGNLLTNKGIAEGTFSHLTKLKEFSIVRNSLSHPPPDLP
GTHLIRLYLQDNQINHIPLTAFSNLRKLERLDISNNQLRMLTQGVFDNLS
NLKQLTARNNPWFCDCSIKWVTEWLKYIPSSLNVRGFMCQGPEQVRGMAV
RELNMNLLSCPTTTPGLPLFTPAPSTASPTTQPPTLSIPNPSRSYTPPTP
TTSKLPTIPDWDGRERVTPPISERIQLSIHFVNDTSIQVSWLSLFTVMAY
KLTWVKMGHSLVGGIVQERIVSGEKQHLSLVNLEPRSTYRICLVPLDAFN
YRAVEDTICSEATTHASYLNNGSNTASSHEQTTSHSMGSPFLLAGLIGGA
VIFVLVVLLSVFCWHMHKKGRYTSQKWKYNRGRRKDDYCEAGTKKDNSIL
EMTETSFQIVSLNNDQLLKGDFRLQPIYTPNGGINYTDCHIPNNMRYCNS
SVPDLEHCHT

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

FLRT2

Full Name

Fibronectin leucine rich transmembrane protein 2

Introduction

This gene encodes a member of the fibronectin leucine rich transmembrane (FLRT) family of cell adhesion molecules, which regulate early embryonic vascular and neural development. The encoded type I transmembrane protein has an extracellular region consisting of an N-terminal leucine-rich repeat domain and a type 3 fibronectin domain, followed by a transmembrane domain and a short C-terminal cytoplasmic tail domain. It functions as both a homophilic cell adhesion molecule and a heterophilic chemorepellent through its interaction with members of the uncoordinated-5 receptor family. Proteolytic removal of the extracellular region controls the migration of neurons in the developing cortex. Alternative splicing results in multiple transcript variants.

Alternative Names

FLRT2; Leucine-rich repeat transmembrane protein FLRT2; fibronectin-like domain-containing leucine-rich transmembrane protein 2; KIAA0405; UNQ232/PRO265; Fibronectin leucine rich transmembrane protein 2

Gene ID

23768

UniProt ID

O43155

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