

Product Information

MemDX™ Membrane Protein Human FICD (FIC domain protein adenylyltransferase)

Cat. No.: **MP0271J**

This product is for research use only and is not intended for diagnostic use.

This product is a 51.6 kDa Human FICD 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

FICD

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

51.6 kDa

TMD

1

Sequence

MMLIPMASVMAVTEPKWVSWSRFLWVTLLSMVLGSLALLPLGAVEEQCLAVLKGLYLLRSKPDRAQH
AATKCTSPSTELSITSRGATLLVAKTKASPAGKLEARAALNQALEMKRQGKREKAQKLFMHALKMDPDFV
DALTEFGIFSEEDKDIIQADYLYTRALTISPYHEKALVNRDRTLPLVEEIDQRYFSIIDSKVKKVMSIPK
GNSALRRVMEETYYHHIYHTVAIEGNTLTLSEIRHILETRYAVPGKSLEEQNEVIGMHAAMKYINTTLVS
RIGSVTISDVLEIHRRVLGYVDPVEAGRFRRTTQVLVGHHIPHPQDVEKQMMEFVQWLNSEEAMNLHPVE
FAALAHYKLVYIHPFIDGNGRTSRLLMNLILMQAGYPPITIRKEQRSDYYHVLEAANECDVRPFIRFIK
CTETTLDTLLFATTEYSVALPEAQPNNHSGFKETLPVKP

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

FICD

Full Name

FIC domain protein adenylyltransferase

Introduction

Adenylyltransferase that mediates the addition of adenosine 5'-monophosphate (AMP) to specific residues of target proteins. Able to inactivate Rho GTPases *in vitro* by adding AMP to RhoA, Rac and Cdc42. It is however unclear whether it inactivates GTPases *in vivo* and physiological substrates probably remain to be identified.

Alternative Names

HYPE; HIP13; UNQ3041; AMPylator FICD; FIC domain containing; Huntingtin interacting protein E; adenosine monophosphate-protein transferase FICD; de-AMPylase FICD; fic S-phase protein cell division homolog; huntingtin interactor protein E; huntingtin-interacting protein 13

Gene ID

[11153](#)

UniProt ID

[Q9BVA6](#)