

Product Information

MemDX™ Membrane Protein Human EPHA2 (EPH receptor A2) Full Length

Cat. No.: **MPC1885K**

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

This product is a 108.2 kDa Human EPHA2 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

EPHA2

Protein Length

Full length

Protein Class

Transferase

Molecular Weight

108.2 kDa

TMD

1

Sequence

MELQAARACFALLWGCALAAAAAQQGKEVVLLDFAAAGGELGWLTHPYGK
GWDLMQNMNDMPIYMSVCNVMSGDQDNWLRTNWVYRGEAERIFIELKF
TVRDCNSFPGGASSCKETFNLYYAESDLDYGTNFQKRLFTKIDTIAPDEI
TVSSDFEARHVKLNVEERSVGPLTRKGFYLAQDIGACVALLSVRVYYKK
CPELLQGLAHFPETIAGSDAPSLATVAGTCVDHAVVPPGGEEPRMHCAVD
GEWLVPIGQCLCQAGYEKVEDACQACSPGFFKFEASESPCLECPEHTLPS
PEGATSCECEEGFFRAPQDPASMPCTRPPSAPHYLTAVGMGAKVELRWTP
PQDSGGREDIVYSVTCEQCWPESGECGPCEASVRYSEPPHGLTRTSVTVS
DLEPHMNYTFTVEARNGVSGLVTSRSFRTASVSINQTEPPKVRLEGRSTT
SLSVSWSIPPPQSRVWKYEVTYRKKGDSNSYNVRRTEGFSVTLDDLAPD
TTYLVQVQALTQEGQGAGSKVHEFQTLSPGSGNLAVIGGVAVGVVLLLV
LAGVGFFIHRRRKNQRARQSPEDVYFSKSEQLKPLKTYVDPHTYEDPNQA
VLKFTTEIHPSCVTRQKVIGAGEFGEVYKGMLKTSSGKKEVPVAIKTLKA
GYTEKQRVDFLGEAGIMGQFSHHNIIRLEGVISKYKPMMIITEYMENGAL
DKFLREKDGESVLQLVGMLRGIAAGMKYLANMNYVHRDLAARNILVNSN
LVCKVSDFGLSRVLEDDPEATYTTSGGKIPIRWTAPEAISYRKFTSASDV
WSFGIVMWEVMTYGERPYWELSNHEVMKAINDGFRLPTPMDCPSAIYQLM
MQCWQQRARRPKFADIVSILDKLIRAPDSLKTLADFDPRVSIRLPSTSG
SEGVPFRTVSEWLESIKMQQYTEHFMAAGYTAIEKVVQMTNDDIKRIGVR
LPGHQKRIAYSLLGLKDQVNTVGIPI

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

Target

Target Protein

EPHA2

Full Name

EPH receptor A2

Introduction

This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Mutations in this gene are the cause of certain genetically-related cataract disorders.

Alternative Names

EPHA2; ECK; CTPA; ARCC2; CTPP1; CTRCT6; ephrin type-A receptor 2; epithelial cell receptor protein tyrosine kinase; soluble EPHA2 variant 1; tyrosine-protein kinase receptor ECK; EPH receptor A2

Gene ID

[1969](#)

UniProt ID

[P29317](#)