

Product Information

MemDX™ Membrane Protein Human SEMA4G (Semaphorin 4G) Full Length

Cat. No.: **MPC1881K**

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

This product is a 91.4 kDa Human SEMA4G 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

SEMA4G

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

91.4 kDa

TMD

1

Sequence

MWGRLWPLLLSILTATAVPGPSLRPSRELDATPRMTIPYEELSGTRHFK
GQAQNYSTLLLEEASARLLVGARGALFSLSANDIGDAHKEIHWEASPEM
QSKCHQKGKNNQTECFNHVRFLQRLNSTHLYACGTHAFQPLCAAIDAEAF
TLPTSFEEGKEKCPYDPARGFTGLIIDGGLYTATRYEFRSIPDIRRSRHP
HSLRTEETPMHWLNDAEFVFSVLVRESKASAVGDDDKVYYFFTERATEEG
SGSFTQSRSSHVARVARVCKGDLGGKKILQKKWTSFLKARLICHIPLYE
TLRGVCSLDAETSSRTHFYAAFTLSTQWKTLEASAICRYDLAEIQAVFAG
PYMEYQDGSRRWGRYEGGVPEPRPGSCITDSLRSQGYNSSQDLPSLVLDF
VKLHPLMARPVVPTGRPLLLKRNIRYTHLTGTPVTTTPAGPTYDLLFLGT
ADGWIHKAVVLGSGMHIIETQVFRESQSVENLVISLLQHSLYVGAPSGV
IQLPLSSCSRYRSCYDCILARDPYCGWDPGTHACAAATTIANRTALIQDI
ERGNRGCESSRDTGPPPPPLKTRSVLRGDDVLLPCDQPSNLARALWLLNGS
MGLSDGQGGYRVGVDGLLVTDAPQEHSGNYGCYAEENGLRLLASYSLT
VPATPAPAPKAPATPGAQLAPDVRLLYVLAIAALGGLCLILASSLLYVAC
LREGRRGRRRKYSLGRASRAGGSAVQLQTVSGQCPGEEDEGDDEGAGGLE
GSCLQIIPGEGAPAPPPPPPPPPPAELTNGLVALPSRLRRMNGNSYVLLR
QSNNGVPAGPCSF AEELSRILEKRKHTQLVEQLDESSV

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

SEMA4G

Full Name

Semaphorin 4G

Introduction

Semaphorins are a large family of conserved secreted and membrane associated proteins which possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Based on sequence and structural similarities, semaphorins are put into eight classes: invertebrates contain classes 1 and 2, viruses have class V, and vertebrates contain classes 3-7. Semaphorins serve as axon guidance ligands via multimeric receptor complexes, some (if not all) containing plexin proteins. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

SEMA4G; semaphorin-4G; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G; Semaphorin 4G

Gene ID

[57715](#)

UniProt ID

[Q9NTN9](#)