

Product Information

MemDX™ Membrane Protein Human GALNT12 (Polypeptide N-acetylgalactosaminyltransferase 12) Full Length

Cat. No.: **MPC4482K**

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

This product is a made-to-order Human GALNT12 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

GALNT12

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MWGRTARRRCPRELRRGREALLVLLALLALAGLSVLRAQRGAGAGAAEP
GPPRTPRPGRREPVMPPVPANALGARGEAVRLQLQGEELRLQEESVRL
HQINIYLSDRISLHRRLLPERWNPLCKEKKYDYDNLPRTSVIIAFYNEAWS
TLLRTVYSVLETSPDILLEEVILVDDYSDREHLKERLANELSGLPKVRLL
RANKREGLVRARLLGASAARGDVLTFDCHCECHEGWLEPLLQRIHEEES
AVVCPVIDVIDWNTFEYLGNSGEPQIGGFDWRLVFTWHTVPERERIRMQS
PVDVIRSPTMAGGLFAVSKKYFEYLGSYDTGMEVWGGENLEFSFRIWQCG
GVLETHPCSHVGHVFPKQAPYSRNKALANSVRAAEVWMDEFKELYHRNP
RARLEPFGDVTERKQLRDKLQCKDFKWLETVYPELHVPEDRPGFFGMLQ
NKGLTDYCFDYNPPDENQIVGHQVILYLCHGMGQNQFFEYTSQKEIRYNT
HQPEGCIAVEAGMDTLIMHLCEETAPENQKFILQEDGSLFHEQSKKCVQA
ARKESSDSFVPLLRDCTNSDHQKWFFKERML

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**

GALNT12

Full Name

Polypeptide N-acetylgalactosaminyltransferase 12

Introduction

This gene encodes a member of a family of UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferases, which catalyze the transfer of N-acetylgalactosamine (GalNAc) from UDP-GalNAc to a serine or threonine residue on a polypeptide acceptor in the initial step of O-linked protein glycosylation. Mutations in this gene are associated with an increased susceptibility to colorectal cancer.

Alternative Names

GALNT12; CRCS1; GalNAc-T12; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 12; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12 (GalNAc-T12); colorectal cancer, susceptibility to 1; polypeptide GalNAc transferase 12; pp-GaNTase 12; protein-UDP acetylgalactosaminyltransferase 12; Polypeptide N-acetylgalactosaminyltransferase 12

Gene ID

[79695](#)

UniProt ID

[Q8IXK2](#)