

Product Information

MemDX™ Membrane Protein Human FUT9 (Fucosyltransferase 9) Full Length

Cat. No.: **MPC4465K**

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

This product is a made-to-order Human FUT9 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

FUT9

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MTSTSKGILRPFLIVCIILGCFMACLLIYIKPTNSWIFSPMESASSVLKM
KNFFSTKTDYFNETTILVWVWPFQGTDFDLTSCQAMFNIQGCHLTDRSLY
NKSHAVLIHHRDISWDLTNLPQQARPPFQKWIWMNLESPTHTPQKSGIEH
LFNLTLTYRRDSDIQVPYGFLLTVSTNPFVFEVPSKEKLVCWVVSNNWPEH
ARVKYYNELSKSIEIHTYGQAFGEYVNDKNLIPTISTCKFYLSFENSIHK
DYITEKLYNAFLAGSVPVVLGPSRENYENYIPADSFHVEDYNSPSELAK
YLKEVDKNNKLYLSYFNWRKDFTVNLPRFWESHACLADHVKRHQEYKSV
GNLEKWFWN

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**

FUT9

Full Name

Fucosyltransferase 9

Introduction

The protein encoded by this gene belongs to the glycosyltransferase family. It is localized to the golgi, and catalyzes the last step in the biosynthesis of Lewis X (LeX) antigen, the addition of a fucose to precursor polysaccharides. This protein is one of the few fucosyltransferases that synthesizes the LeX oligosaccharide (CD15) expressed in the organ buds progressing in mesenchyma during embryogenesis. It is also responsible for the expression of CD15 in mature granulocytes. A common haplotype of this gene has also been associated with susceptibility to placental malaria infection.

Alternative Names

FUT9; Fuc-TIX; 4-galactosyl-N-acetylglucosaminide 3-alpha-L-fucosyltransferase 9; alpha-(1,3)-fucosyltransferase 9; fucT-IX; fucosyltransferase 9 (alpha (1,3) fucosyltransferase); fucosyltransferase IX; galactoside 3-L-fucosyltransferase; Fucosyltransferase 9

Gene ID

[10690](#)

UniProt ID

[Q9Y231](#)