

Recombinant Human FUT9, His-tagged

Cat. No. FUT9-26H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human α -(1,3)-Fucosyltransferase/FUT9 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Thr33-Asn359) of Human FUT9 fused with a polyhistidine tag at the C-terminus.

Species Human

Source HEK293

ProteinLength 33-359 a.a.

Description α -(1,3)-Fucosyltransferase (FUT9) is a member of the glycosyltransferase 10 family. FUT9 is a single-pass type II membrane protein that is highly expressed in the forebrain and stomach. FUT9 transfers a fucose to lacto-N-neotetraose but not to either α 2,3-sialyl lacto-N-neotetraose or lacto-N-tetraose. FUT9 can catalyze the last step in the biosynthesis of the Lewis-x antigen, which forms part of the Lewis blood group-related antigens. FUT9 can be upregulated by progesterone and ovary hormones.

AA Sequence TNSWIFSPMESASSVLKMKNFFSTKTDYFNETTILVWVWPFQGQTFDLTSCQAMFNIQ
GCHLTTDR SLYNKSHAVLIHHRDISWDLTNLPQQRPPFQKWIWMNLESPTHTPQK
SGIEHLFNLTLYRRDS DIQVPYGFLLTVSTNPFVFEVPSKEKLVCVVVSNNWNPEHA
RVKYYNELSKSIEIHTYGQAFGEYVN DKNLIPTISACKFYLSFENSIHKDYITEKLYNA
FLAGSVPVVLGPSRENYENYIPADSFIVVEDY NSPSELAKYLKEVDKNNKLYLSYFN

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WRKDFTVNLPRFWESHACLACDHVKRHQEYKSVGNLEKWF WNLDDHHHHHH

Endotoxin

Less than 0.1 ng/μg (1 IEU/μg).

Purity

Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

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