

Datasheet for ABIN7317577

**FUT8 Protein (AA 68-575) (His tag)**[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	FUT8
Protein Characteristics:	AA 68-575
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FUT8 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human FUT8 Protein (aa 68-575, His Tag)(Active)
Sequence:	Arg 68-Lys 575
Characteristics:	A DNA sequence encoding the human FUT8 isoform 1 (Q9BYC5-1) (Arg 68-Lys 575) was fused with a polyhistidine tag at the carboxy-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to hydrolyze the donor substrate GDP fucose. The specific activity is >0.75 pmoles/min/µg.

### Target Details

Target:	FUT8
Alternative Name:	FUT8 (FUT8 Products)
Background:	<p>Background: Alpha (1,6) fucosyltransferase 8, also known as FUT8, is a member of the glycosyltransferase family. Fucosyltransferases are the enzymes transferring fucose from GDP-Fuc to Gal in an alpha1,2-linkage and to GlcNAc in alpha1,3-linkage, alpha1,4-linkage, or alpha1,6-linkage. All fucosyltransferases utilize the same nucleotide sugar, their specificity reside in the recognition of the acceptor and in the type of linkage formed. Fucosyltransferases share some common structural and catalytic features. On the basis of protein sequence similarities, these enzymes can be classified into four distinct families: (1) the alpha-2-fucosyltransferases, (2) the alpha-3-fucosyltransferases, (3) the mammalian alpha-6-fucosyltransferases, and (4) the bacterial alpha-6-fucosyltransferases. The alpha-3-fucosyltransferases constitute a distinct family as they lack the consensus peptide, but some regions display similarities with the alpha-2 and alpha-6-fucosyltransferases.</p> <p>Synonym: MGC26465</p>
Molecular Weight:	60 kDa

### Application Details

Restrictions:	For Research Use only
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### Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>