

α 1,6Fuc

alpha-1,6-fucosidase

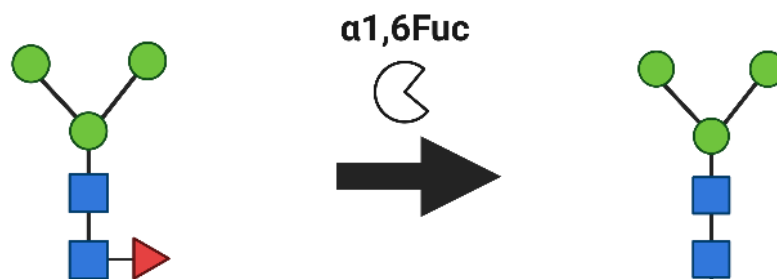
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Product description

The product provides the user with a bacterial α -1,6-fucosidase (α 1,6Fuc) expressed in *E. coli* for the defucosylation of glycans.

Free N-glycans: The α 1,6Fuc catalysis the hydrolysis of the core α -1,6-fucose from Man3F. The enzyme has limited activity on complex glycans.

Glycoproteins: The α 1,6Fuc catalysis the cleavage of α -1,6-fucose linked to GlcNAc residues on glycoproteins such as IgG with limited activity/yield. The α 1,6Fuc has no activity on glycoproteins with complex or mannosylated glycans.



It contains:

Enzyme	50 or 500 EqU*
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* Equivalent Unit (EqU) definition: Is the amount of enzyme required to achieve complete conversion of 3 pmol of Man3F to Man3 in 24 h at 37 °C.

Enzymatic activity characterisation

- Acceptor substrate: (N-)Glycans with core-fucose
- Reaction conditions: pH 6; 35 °C
- Activity: Only on α -1,6-fucose but no cleavage of α -1,3-fucose

Contact:

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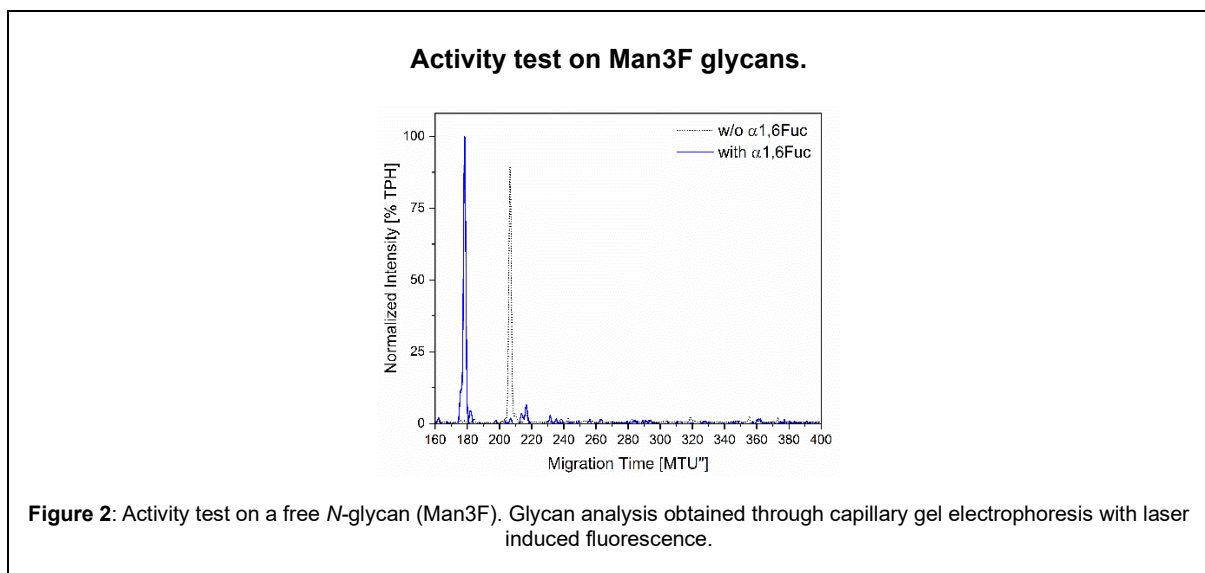
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Technical specifications

Parameter	Specification	<p>L: Protein Ladder E: Enzyme</p> <p>Figure 1: SDS-PAGE analysis of purified enzyme</p>
Molecular weight:	60 kDa	
Expression host:	<i>E. coli</i> BL21(DE3)	
Purity (SDS-PAGE):	> 90%	
His-tag:	Yes	
Storage buffer:	25 mM MOPS 300 mM NaCl pH 7.5	
Storage temperature:	-20 °C	



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