

α -(1-2,3,4,6)-L-FUCOSIDASE (*Homo sapiens*)

08/23

Recombinant

E-FUCHS

EC: 3.2.1.51

Synonyms: alpha-L-fucosidase; alpha-L-fucoside fucohydrolase

CAZy Family: GH29

CAS: 9037-65-4

Refer to the product lot number Certificate of Analysis for lot specific properties.

PROPERTIES

1. ELECTROPHORETIC PURITY:

- Single band on SDS-gel electrophoresis (MW ~ 52,000)
- One major band on isoelectric focusing (pI ~ 6.3)

2. SPECIFICITY:

Broad specificity; hydrolysis of terminal non-reducing α -(1-2,3,4,6)-linked L-fucose residues from glycoproteins and oligosaccharides.

3. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 3.0-4.0 and up to 60°C

pH Optima: 3.0-4.0

pH Stability: 4.0-9.0 (> 75% control activity after 24 hours at 4°C)

Temperature Optima: 50°C (10 min reaction)

Temperature Stability: < 45°C (pH 4.0, 15 min) up to 60°C

4. STORAGE CONDITIONS:

The enzyme is supplied as an ammonium sulphate suspension in 0.02% (w/v) sodium azide and should be stored at 4°C. For assay, this enzyme should be diluted in sodium acetate buffer (100 mM), pH 4.0 containing 1 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**