

O-Glycoprotease

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	O-Glycoprotease is a specific endoprotease for O-glycoproteins, capable of catalyzing the hydrolysis of peptide bonds directly adjacent to O-glycan structures in natural mucin-type O-glycosylated proteins. The sequence of O-Glycoprotease is derived from Akkermansia muciniphila, and it is recombinantly expressed in E. coli with a C-terminal 6xHis tag. This enzyme maintains high activity within a pH range of 5.5 to 7.5, is resistant to 1 M NaCl, but is highly sensitive to EDTA (0.5 mM EDTA) and can be inhibited by Zn ²⁺ .
Targets(IC50)	Endonuclease

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