

## Bovin beta-1,4-galactosyltransferase 1 (Y289L)

Cat. No.:	HY-E70289	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	Bovin beta-1,4-galactosyltransferase 1 (Y289L)

### BIOLOGICAL ACTIVITY

#### Description

Bovin beta-1,4-galactosyltransferase 1 (Y289L) (Bovin B4GALT1 (Y289L)) is a mutated form of bovine-derived galactosyltransferase with a mutation at the Y289L genetic site. Bovin beta-1,4-galactosyltransferase 1 can label O-GlcNAcylated proteins with an N-azidoacetylgalactosamine (GalNAz) group. This labeling method allows for the specific, unbiased, and global labeling of O-GlcNAcylated proteins. After labeling, the appended azide group can react with a wide variety of alkyne-modified chemical probes, facilitating multiple downstream analyses<sup>[1]</sup>.

### REFERENCES

[1]. Thompson JW, et al. Methods for the Detection, Study, and Dynamic Profiling of O-GlcNAc Glycosylation. *Methods Enzymol.* 2018;598:101-135.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA