

## D-galactosyl- $\beta$ 1-3-N-acetyl-D-hexosamine phosphorylase (BiGalHexNAcP)

**Cat. No.:** HY-E70033  
**Target:** Endogenous Metabolite  
**Pathway:** Metabolic Enzyme/Protease  
**Storage:** -80°C

D-galactosyl- $\beta$ 1-3-N-acetyl-D-hexosamine phosphorylase

### BIOLOGICAL ACTIVITY

#### Description

D-galactosyl- $\beta$ 1-3-N-acetyl-D-hexosamine phosphorylase (BiGalHexNAcP) is a member of CAZy glycoside hydrolase GH112 family, is often used in biochemical studies. D-galactosyl- $\beta$ 1-3-N-acetyl-D-hexosamine phosphorylase (BiGalHexNAcP) catalyses the phosphorolysis of lacto-n-biose and galacto-n-biose, to produce Gal-1-P and the corresponding N-acetyl-D-hexosamine<sup>[1]</sup>.

### REFERENCES

[1]. Yu H, et al. Highly efficient chemoenzymatic synthesis of  $\beta$ 1-3-linked galactosides. *Chem Commun (Camb)*. 2010 Oct 28;46(40):7507-9.

[2]. Keenan T, et al. The characterisation of a galactokinase from *Streptomyces coelicolor*. *Carbohydr Res*. 2019 Jan 15;472:132-137.

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

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