

## UDP-sugar pyrophosphorylase (BIUSP)

Cat. No.:	HY-E70028	
CAS No.:	223918-15-8	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	UDP-sugar pyrophosphorylase(BIUSP)
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

### BIOLOGICAL ACTIVITY

#### Description

UDP-sugar pyrophosphorylase (BIUSP) is the enzyme capable of activating glucose-1-phosphate (Glc-1-P) to UDP-glucose (UDP-Glc). UDP-sugar pyrophosphorylase (BIUSP) catalyzes a reversible transfer of the uridyl group from UTP to sugar-1-phosphate, producing UDP-sugar and pyrophosphate (PPi)<sup>[1]</sup>.

### REFERENCES

[1]. Kleczkowski LA, Decker D, Wilczynska M. UDP-sugar pyrophosphorylase: a new old mechanism for sugar activation. *Plant Physiol.* 2011 May;156(1):3-10.

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

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