



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## alpha-1,3-Galactosyltransferase (a1,3GalT)

Cat. No.:	HY-E70052	
CAS No.:	128449-51-4	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	alpha-1,3-Galactosyltransferase(a1,3GalT)
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

### BIOLOGICAL ACTIVITY

Description	alpha-1,3-Galactosyltransferase (a1,3GalT) (GGTA1) catalyzes the generation of the $\alpha$ -gal glycan via the transfer of a galactose (Gal) in $\alpha$ 1-3 linkage, from a uridyl-diphosphate (UDP) donor onto the N-acetyllactosamine (Gal $\beta$ 1,4GlcNAc-R) of glycoproteins. alpha-1,3-Galactosyltransferase (a1,3GalT) is responsible for the synthesis of the $\alpha$ -galactose ( $\alpha$ -Gal) epitope found in most mammalian species <sup>[1]</sup> .
IC <sub>50</sub> & Target	Human Endogenous Metabolite

### REFERENCES

[1]. Sumnima Singh, et al. Loss of  $\alpha$ -gal during primate evolution enhanced antibody-effector function and resistance to bacterial sepsis. Cell Host Microbe. 2021 Mar 10;29(3):347-361.e12.

[2]. Anne-Laure Turcot-Dubois, et al. Long-term evolution of the CAZY glycosyltransferase 6 (ABO) gene family from fishes to mammals--a birth-and-death evolution model. Glycobiology. 2007 May;17(5):516-28.

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

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