

Recombinant Full Length Mouse Lactosylceramide Alpha-2,3-Sialyltransferase(St3Gal5) Protein, His-Tagged

Cat. No. RFL27799MF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse Lactosylceramide alpha-2,3-sialyltransferase(St3gal5) Protein (O88829) (1-414aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Mus musculus
Source	E.coli
ProteinLength	Full Length (1-414)
Form	Lyophilized powder
AA Sequence	MHTEAVGGAARRPQKLRSQAAAPACRAMPSEFTSAKLRSDCSRTSLQWYTRTQHK MRRPSLLIKDICKCTLVAFGVWLLYILILNYTAEECDMKRMHYVDPDRIKRAQSYAQE VLQKECRPRYAKTAMALLFEDRYSINLEPFVQKVPTASEAELKYDPPFGFRKFSSKV QSLLDMLPEHDFPEHLRAKACKRCVVVGNNGGILHGLELGHALNQFDVVIRLNSAPVE GYSEHVGNKTTIRMTYPEGAPLSDVEYYANDLFVTVLFKSVDFKWLQAMVKNESLP FWVRLFFWKQVAEKVPLQPKHFRILNPVIKETAFDILQYSEPQSRFWGHDKNIPTIG VIAVVLATHLCDEVSLAGFGYDLSQPRTPLHYFDSQCMGAMHWQVMHNVTTETKFL LKLLKEGVVEDLSGGIH
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	St3gal5
Synonyms	St3gal5; GM3S; Siat9; Lactosylceramide alpha-2,3-sialyltransferase; CMP-NeuAc:lactosylceramide alpha-2,3-sialyltransferase; Ganglioside GM3 synthase; ST3Gal V; ST3GalV; Sialyltransferase 9
UniProt ID	O88829

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