Datasheet for ABIN7596450

# ST6GALNAC5 Protein (AA 30-336) (His tag)

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## Overview

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| Quantity: | 250 µg |
| Target: | ST6GALNAC5 |
| Protein Characteristics: | AA 30-336 |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ST6GALNAC5 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS) |

## Product Details

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| Sequence: | GGQKERP PQQQQQQQQQ QQQASATGSS QPAAESSTQQ RPGVPAGPRP LDGYLGVADH KPLKMHCRDC ALVTSSGHLL HSRQGSQIDQ TECVIRMNDA PTRGYGRDVG NRTSLRVIAH SSIQRILRNR HDLLNVSQGT VFIFWGPSSY MRRDGKGQVY NNLHLLSQVL PRLKAFMITR HKMLQFDELF KQETGKDRKI SNTWLSTGWF TMTIALELCD RINVYGMVPP DFCRDPNHPS VPYHYYEPFG PDECTMYLSH ERGRKGSHHR FITEKRVFKN WARTFNIHFF QPDWKPESLA INHPENKPVF |
| Purity: | > 90% by SDS-PAGE |
| Endotoxin Level: | < 1 EU per 1ug of protein (determined by LAL method) |

## Target Details

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|---|---|
| Target: | ST6GALNAC5 |

## Target Details

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| Alternative Name: | ST6GALNAC5 (ST6GALNAC5 Products) |
| Background: | ST6GALNAC5, also known as Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5, is a member of the glycosyltransferase 29 family. This protein is a sialyltransferase involved in the biosynthesis of ganglioside GD1a from GM1b. It is involved in the pathway protein glycosylation, which is part of Protein modification. It's expression is restricted to the brain normally. It has been identified as a key player in the metastasis of breast cancer cells to the brain by potentially enabling the cancer cells to cross the blood-brain barrier. Recombinant human ST6GALNAC5, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. |
| Molecular Weight: | 36.4 kDa (316aa) |
| NCBI Accession: | NP_112227 |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles. |