

AR51855PU-N

Human CD75 / ST6GAL1 (27-406, His-tag) - Purified

Alternate names:

6-sialyltransferase 1, 6-sialyltransferase 1, B-Cell marker, Beta-galactoside alpha-2, CMP-N-acetylneuraminate-beta-galactosamide-alpha-2, SIAT1

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

ST6GAL1 also known as Beta-galactoside alpha-2,6-sialyltransferase isoform a, is a member of glycosyltransferase family 29. This protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. ST6GAL1, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76.

Uniprot ID:

[P15907](#)

NCBI:

[NP_775323](#)

GeneID:

[6480](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol.

Description:

Recombinant human ST6GAL1, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSKEKKKGS YYDSFKLQTK EFQVLKSLGK LAMGSDSQSV
SSSSTQDPHR GRQTLGSLRG LAKAKPEASF QVWNKDSSSK NLIPRLQKIW KNYLSMNKYK
VSYKGP GPGI KFSAEALRCH LRDHVNVMV EVTDFPFNTS EWEGYLPKES IRTKAGPWGR
CAVSSAGSL KSSQLGREID DHDVLRFRNG APTANFQQDV GTKTTIRLMN SQLVTTEKRF
LKDSLNEGI LIVWDPSVYH SDIPKWYQNP DYNFFNNYKT YRKLHPNQPF YILKPQMPWE
LWDILQEISP EEIQPNPPSS GMLGIIIMMT LCDQVDIYEF LPSKRKTDVC YYYQKFFDSA
CTMGAYHPLL YEKNLVKHLN QGTDEDIYLL GKATLPGFRT IHC

Molecular weight: 46 kDa (403aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

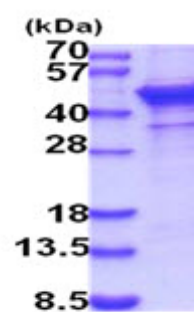
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Kuhn B., et al. (2013) Acta Crystallogr. D Biol. Crystallogr. 69 (PT 9), 1826-1838

Pictures:



15% SDS-PAGE (3ug)