

Recombinant Sialyltransferase 1 (SIAT1) Instruction Manual

SIPM340Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Secreted
Predicted Molecular Mass	47.3kDa
Accurate Molecular Mass	47kDa(Analysis of differences refer to the manual)
Residues & Tags	Lys27~Cys406 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	9.3
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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KEKK KGSYYDSFKL QTKEFQVLKS
LGKLAGSDS QSVSSSTQD PHRGRQTLGS LRGLAKAKPE ASFQVWNKDS
SSKNLIPRLQ KIWKNYLSMN KYKVSYKGGP PGIKFSAEAL RCHLRDHVNV
SMVEVDFPF NTSEWEGYLP KESIRTKAGP WGRCAVVSSA GSLKSSQLGR
EIDDHDAVLR FNGAPTANFQ QDVGTKTTIR LMNSQLVTTE KRFLKDSLYN
EGILIVWDPS VYHSDIPKWY QNPDYNFFNN YKTYRKLHPN QPFYILKPQM
PWELWDILQE ISPEEIQPNP PSSGMLGIII MMTLCDQVDI YEFLLPSKRKT
DVCYYYQKFF DSACTMGAYH PLLYEKNLVK HLNQGTDEDI YLLGKATLPG
FRTIHC
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USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image

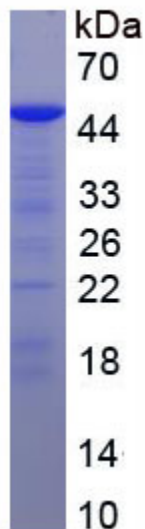


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.