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ST3GAL5, 83-418aa, Human, His tag, E.coli

产品货号: TP04044

第三版

**别名:**Lactosylceramide alpha-2,3-sialyltransferase isoform 1, ST3 beta-galactoside alpha-2,3-sialyltransferase 5, SAT1; SIAT9; SIATGM3S; ST3GalV

**描述:**Ganglioside GM3 is known to participate in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. The protein encoded by this gene is a type II membrane protein which catalyzes the formation of GM3 using lactosylceramide as the substrate. The encoded protein is a member of glycosyltransferase family 29 and may be localized to the Golgi apparatus. Mutation in this gene has been associated with Amish infantile epilepsy syndrome. Transcript variants encoding different isoforms have been found for this gene. Recombinant human ST3GAL5 protein, fused to His-tag at N-terminus, was expressed in E.coli .

**配方:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

**分子量:**41.0 kDa (359aa)

**序列:**

MGSSHHHHHHSSGLVPRGSHMGSLKLNYYTTEECMCKMHYVDPDHVKRAQKYAQQVLQKECRPKFAKTSMLLFEH  
RYSVDLLPFVQKAPKDSEAESKYDPPFGFRKFSSKVQTLLELLPEHDLPEHLKAKTCRRCVVIGSGGILHGLELGH TLNQFD  
VVIRLNSAPVEGYSEHVGNKTTIRMTYPEGAPLSDLEYYSNDFVAVLFKSVDFNWLQAMVKKETLPFWVRLFFWKQVAE  
KIPLQPKHFRILNPV IIKETAFDILQYSEPSRFWGRDKNVPTIGVIAVVLATHLCDEVSLAGFGYDLNQPRTPLHYFDSQC  
MAAMNFQTMHNVTTETKFLKLVKEGVVKDLSSGGIDREF

**纯度:**> 95% by HPLC

**浓度:**1mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.