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HS3ST1, 21-307aa, Human, His tag, E.coli

产品货号: TP02504

第三版

别名: Heparan sulfate glucosamine 3-O-sulfotransferase 1, 3OST, 3OST1

描述: Heparan sulfate glucosamine 3-O-sulfotransferase 1, also known as HS3ST1, is sulfotransferase that utilizes 3'-phospho-5'-adenyl sulfate (PAPS) to catalyze the transfer of a sulfo group to position 3 of glucosamine residues in heparan. This protein catalyzes the rate limiting step in the biosynthesis of heparan sulfate (HSact). This modification is a crucial step in the biosynthesis of anticoagulant heparan sulfate as it completes the structure of the antithrombin pentasaccharide binding site. Recombinant human HS3ST1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT

分子量: 36.2 kDa (310aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSRPAELGQQELLRKAGTLQDDVRDGVAPNGSAQQLPQTIIGVRKGGTRALLEMLSL
HPDVAAAENEVHFFDWEHSHGLGWYLSQMPFSWPHQLTVEKTPAYFTSPKVPERVYSMNPSIRLLLILRDPSEVLSDY
TQVFYNHMQKHKPYPSIEEFLVRDGRNLNVDYKALNRSLYHVMQNWLRFFPLRHHIVDGDRLIRDPFPEIQKVERFLKLS
PQINASNIFYFNKTKGFYCLRDSGRDRCLHESKGRAHPQVDPKLLNKLHEYFHEPNKKFFELVGRTFDWH

纯度: > 95% by HPLC

浓度: 0.25 mg/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.