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NANS, 1-359aa, Human, His tag, E.coli

产品货号: TP03091

第三版

别名:Sialic acid synthase, SAS, N acetylneuraminase synthase

描述:NANS, also known as SAS, is a 359 amino acid protein that contains one AFP (antifreeze proteins)- like domain and functions in the biosynthesis of sialic acids. Expressed ubiquitously, NANS enzymatically catalyzes the H₂O-dependent formation of N-acetylneuraminic acid (Neu5Ac) and 2-keto-3-deoxy-D-glycero-D-galactononic acid (KDN), both of which are sialic acids. NANS uses N-acetylmannosamine 6-phosphate as a substrate for Neu5Ac synthesis and mannose 6-phosphate as a substrate for KDN synthesis.

配方:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl,1mM DTT, 10% glycerol

分子量:42.4 kDa (379aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMPLELELCPGRWVGGQHPCFIIAEIGQNHQGDL DVAKRMIRMAKECGADCAKFQKSE
LEFKFNRKALERP YTSKHSWGKTYGEHKRHLEFSDQYRELQRYAEEVGIFFTAGMDEMAVEFLHELNV PFFKVGSGDT
NNFPYLEKTAKKGRPMVISSGMQSM DTMKQVYQIVKPLNPNFCFLQCTSA YPLQPEDVNLRVISEYQKLFDPDIPIGYS GHE
TGIAISVA AVALGAKVLERHITLDKTWKGSDHSASLEPGELAE LVRVRLVERALGSPTKQLLPCEMACNEKLGKSVVAKV
KIPEGTIL TMDMLTVKVGEPKGYPPEDIFNLVGGKVLVTVEEDDTIMEELVDNHGKKIKS

纯度:> 95% by HPLC

浓度:0.5 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.