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NCS1, 1-190aa, Human, His tag, E.coli

产品货号: TP03113

第三版

别名: Neuronal calcium sensor 1 isoform 1, FLUP, FREQ

描述: NCS1 is a member of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed predominantly in neurons. This protein regulates G protein-coupled receptor phosphorylation in a calcium-dependent manner and can substitute for calmodulin. It is associated with secretory granules and modulates synaptic transmission and synaptic plasticity. Multiple transcript variants encoding different isoforms have been found for this gene. Recombinant human NCS1 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 0.15M NaCl, 30% glycerol, 1mM DTT

分子量: 24.3. kDa (213aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMGKSNSKLPKPEVVEELTRKTYFTEKEVQQWYKGFIDKDCPSGQLDAAGFQKIYKQFF  
PFGDPTKFATFVFNVDENKDGRIEFSEFIQALS VTSRGTLDKLRWAFKLYDLNDGYITRNEMLDIVDAIQMVGNTVE  
LPEEENTPEKRVDRIFAMMDKNADGKLTQEFQEGSKADPSIVQALS LYDGLV

纯度: > 95% by HPLC

浓度: 1 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.