

32-3404: CALN1 Recombinant Protein

Alternative Name : Calcium-binding protein 8,CaBP8,Calneuron I,Calneuron-1,CALN1,CABP8.

Description

Source : Escherichia Coli. CALN1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 212 amino acids (1-192 a.a.) and having a molecular mass of 24kDa. The CALN1 is purified by proprietary chromatographic techniques. CALN1 is highly similar to the calcium-binding proteins of the calmodulin family. The CALN1 protein contains two EF-hand domains and potential calcium-binding sites. Also, CALN1 negatively regulates Golgi-to-plasma membrane trafficking by interacting with PI4KB and inhibiting its activity. CALN1 has a role in the physiology of neurons and is potentially significant in memory and learning.

Product Info

Amount :	5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The CALN1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT, 50mM NaCl and 0.1mM PMSF.
Storage condition :	CALN1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MPFHHVTAGL LYKGNLNRSL SAGSDSEQL ANISVEELDE IREAFRVLDR DGNGFISKQE LGMAMRSLGY MPSEVELAII MQRDMDGDG QVDFDEFMTI LGPKLVSSEG RDGFLGNTID SIFWQFDMQR ITLEELKHIL YHAFRDHLM KDIENIINE EESLNESGN CQTEFEGVHS QKQNRQTCVR KS.