

32-3417: CAPS Recombinant Protein

Alternative Name : Calcyphosin, Calcyphosine, CAPS, CAPS1, MGC126562.

Description

Source : Escherichia Coli. CAPS 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 209 amino acids (1-189 a.a.) and having a molecular mass of 23.1kDa. The CAPS is purified by proprietary chromatographic techniques. Calcyphosine (CAPS) is a calcium-binding protein containing four EF-hand domains. CAPS protein was originally identified as thyroid protein p24 which is found in a number of epithelium and in some cells of the central nervous system. CAPS may have a role in the regulation of ion transport. In the thyroid follicular cells, CAPS is synthesized and phosphorylated in response to stimulation by thyrotropin and cAMP agonists.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The CAPS solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 100mM NaCl.
Storage condition :	CAPS 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 MDAVDATMEK LRAQCLSRGA SGIQGLARFF RQLDRDGSRS LDAEFRQGL AKLGLVLDQA EAEGVCRKWD RINGSGTLDLE EFLRALRPPM SQAREAVIAA AFAKLDRSGD GVVTVDLLRG VYSGRAHPKV RSGEWTEDEV LRRFLDNFDS SEKDGQVTLA EFQDYYSVGS ASMNTDEEFV AMMTSAWQL.

