

## 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

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