9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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CAPS Human

Calcyphosine Human Recombinant
RCP0335

Product Overview

Name	CAPS Human
Description	
Calcyphosine Human Recombinant	
Accession (Primary)	Q13938
Synonyms	
Calcyphosin, Calcyphosine, CAPS, CAPS1, MGC126562.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The CAPS solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 100mM NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MDAVDATMEK LRAQCLSRGA SGIQGLARFF RQLDRDGSRS LDADEFRQGL AKLGLVLDQA EAEGVCRKWD RNGSGTLDLE EFLRALRPPM SQAREAVIAA AFAKLDRSGD GVVTVDDLRG VYSGRAHPKV RSGEWTEDEV LRRFLDNFDS SEKDGQVTLA EFQDYYSGVS ASMNTDEEFV AMMTSAWQL.	
Precautions	
CAPS Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (Q13938)