

Calcyphosine Human Recombinant

Item Number	rAP-2929
Synonyms	Calcyphosin, Calcyphosine, CAPS, CAPS1, MGC126562.
Description	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.
Uniprot Accesion Number	Q13938
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MDAVDATMEK LRAQCLSRGA SGIQGLARFF RQLDRDGSRS LDADE-FRQGL AKLGLVLDQA EAEGVCRKWD RNGSGTLDLE EFLRALRPPM SQAREAVIAA AFAKLDRSGD GVVTVDDL RG VYSGRAHPKV RSGEWTEDEV LRRFLDNFDS SEKDQQVTLA EFQDYYSYGV S AS-MNTDEEFV AMMTSAWQL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The CAPS solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 100mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**