

Recombinant Human CAPS, His-tagged

Cat. No. CAPS-27797TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human calcyphosine with an N terminal His tag; 209 amino acids with the tag, predicted mwt: 23.1 kDa.
Species	Human
Source	E.coli
ProteinLength	189 amino acids
Description	This gene encodes a calcium-binding protein, which may play a role in the regulation of ion transport. A similar protein was first described as a potentially important regulatory protein in the dog thyroid and was termed as R2D5 antigen in rabbit. Alternative splicing of this gene generates two transcript variants.
Conjugation	HIS
Molecular Weight	23.100kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 2mM DTT, 100mM Sodium chloride, pH 8.0

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMDAVDATMEKLRAQCLSRGASGIQGLARFFRQLDR DGSRSLDADEFQRQGLAKLGLVLDQAEAEGVCRKWDRNGSGTLDLEEFRLALRPPM SQAREAVIAAAFAKLDRSGDGVVTVDLRLGVYSGRAHPKVRSGEWTEDEVLRRLD NFDSSSEKDGQVTLAEFQDYSGVSASMNTDEEFVAMMTSAWQL
Sequence Similarities	Contains 4 EF-hand domains.

GENE INFORMATION

Gene Name	CAPS calcyphosine [Homo sapiens]
Official Symbol	CAPS
Synonyms	CAPS; calcyphosine; calcyphosin; calcyphosine 1; CAPS1; MGC126562; thyroid protein p24;
Gene ID	828
mRNA Refseq	NM_004058
Protein Refseq	NP_004049
MIM	114212
Uniprot ID	Q13938
Chromosome Location	19p13.3

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Function

calcium ion binding;

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