

Recombinant Human CAPS, His-tagged

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

SPECIFICATION

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| 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 DGRSLDADEFRQGLAKLGLVLDQAEAEGVCRKWDRNGSGTLDLEEFRLALRPPM SQAREAVIAAAFAKLDRSGDGVVTVDLDRGVYSGRAHPKVRSGEWTEDEVLRFLD NFDSSSEKDGQVTLAEFQDYYSAGVSASMNTDEEFVAMMTSAWQL |
| Sequence Similarities | Contains 4 EF-hand domains. |

GENE INFORMATION

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|----------------------------|---|
| 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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