

CAPS, 1-189aa, Human, His tag, E.coli

Cat.NO.: TP01420

3th Edition

Synonyms: Calcyphosine, CAPS1, Calcyphosin

Description: Calcyphosine, also known as CAPS, is a calcium-binding protein containing four EF-hand domains. CAPS is initially identified as thyroid protein p24 that is found in several epithelium and in some cells of the central nervous system. It may play a role in the regulation of ion transport.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl

Molecular Weight: 23.1kDa (209aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMDAVDATMEKLRAQCLSRGASGIQGLARFFRQLDRDGSRSLSLDADEFRQGLAKLG
LVLDQAEAEAGVCRKWDRNGSGTLDLEEFRLRALRPPMSQAREAVIAAAFAKLD RSGDGVVTVDDL RGVYSGRAHPK
VRSGEWTEDEVLRFLDNFDSSEKDGQVTLAEFQDYYS GVSASMNTDEEFVAMMTSAWQL

Purity: > 95% by HPLC

Concentration: 1mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.