

Recombinant Human CAPSL, His-tagged

Cat. No. CAPSL-3488H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CAPSL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	CAPSL, also known as Calcyphosine-like protein, is a calcium-binding protein containing two calcium-binding motifs (EF-hands). These conserved domains are found in a superfamily of calcium sensors and calcium signal modulators. Furthermore, the CAPSL gene is in the same linkage disequilibrium (LD) block as the IL7R gene. It was reported association between the CAPSL-IL7R locus and type 1 diabetes.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol
Molecular Weight	26.3 kDa (228aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MAGTARHDRE MAIQAKKKLT TATDPIERLR LQCLARGSAG IKGLGRVFRI MDDDNNRTLD FKEFMKGLND YAVVMEKEEV

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EELFQRFDKD GNGTIDFNEF LLTLRPPMSR ARKEVIMQAF RKLDKTGDGV
 ITIEDLREVV NAKHHPKYQN GEWSEEQVFR KFLDNFDSPY DKDGLVTPEE
 FMNYYAGVSA SIDTDVYFII MMRTAWKL

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.

GENE INFORMATION

Gene Name CAPSL calcyphosine-like [Homo sapiens]

Synonyms CAPSL; MGC26610; calcyphosin-like protein; OTTHUMP00000221227;
 OTTHUMP00000222243

Gene ID 133690

mRNA Refseq NM_001042625

Protein Refseq NP_001036090

UniProt ID Q8WWF8

Chromosome Location 5p13.2

Function calcium ion binding

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