

Product datasheet for **AR51050PU-N**

CAMLG (1-189, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CAMLG (1-189, His-tag) human protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSME SMAVA TDGGERPGVP AGSGLSASQR RAELRRRKLL MNSEQRINRI MGFHRPGSGA EEESQTKSKQ QDSDKLNLSL VPSVSKRWVL GDSVSTGTTD QQGGVAEVKG TQLGDKLDSF IKPPECSSDV NLELRQRNRG DLTADSVQRG SRHGLEQYLS RFEEAMKLRK QLISEKPSQE DGNTTEEFDS FR
Tag:	His-tag
Predicted MW:	23.2 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001736
Locus ID:	819
UniProt ID:	P49069
Cytogenetics:	5q31.1
Synonyms:	CAML; GET2



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Summary:

The immunosuppressant drug cyclosporin A blocks a calcium-dependent signal from the T-cell receptor (TCR) that normally leads to T-cell activation. When bound to cyclophilin B, cyclosporin A binds and inactivates the key signaling intermediate calcineurin. The protein encoded by this gene functions similarly to cyclosporin A, binding to cyclophilin B and acting downstream of the TCR and upstream of calcineurin by causing an influx of calcium. This integral membrane protein appears to be a new participant in the calcium signal transduction pathway, implicating cyclophilin B in calcium signaling, even in the absence of cyclosporin. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome

Product images: