

Product datasheet for **TP305791M**

CALML3 (NM_005185) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human calmodulin-like 3 (CALML3), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone >RC205791 protein sequence

or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MADQLTEEQVTEFKEAFSLFDKDGDCITRELGTVMRSLGQNPTEAELRDMMSSEIDRDGNGTVDFPEFL
GMMARKMKDTDNEEEIREAFRVFDKDGNGFVSAEELRHVMTRLGEKLSDEEVDEMIRAADTDGGQVNYE
EFVRVLVSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 16.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_005176](#)

Locus ID: 810

UniProt ID: [P27482](#)

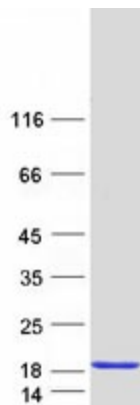
RefSeq Size: 1417



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Cytogenetics:	10p15.1
RefSeq ORF:	447
Synonyms:	CLP
Summary:	May function as a specific light chain of unconventional myosin-10 (MYO10), also enhances MYO10 translation, possibly by acting as a chaperone for the emerging MYO10 heavy chain protein. May compete with calmodulin by binding, with different affinities, to cellular substrates. [UniProtKB/Swiss-Prot Function]
Protein Pathways:	Alzheimer's disease, Calcium signaling pathway, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term potentiation, Melanogenesis, Neurotrophin signaling pathway, Olfactory transduction, Oocyte meiosis, Phosphatidylinositol signaling system, Vascular smooth muscle contraction

Product images:



Coomassie blue staining of purified CALML3 protein (Cat# [TP305791]). The protein was produced from HEK293T cells transfected with CALML3 cDNA clone (Cat# [RC205791]) using MegaTran 2.0 (Cat# [TT210002]).