

Product datasheet for **RC216674**

Calpain 13 (CAPN13) (NM_144575) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calpain 13 (CAPN13) (NM_144575) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Calpain 13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC216674 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

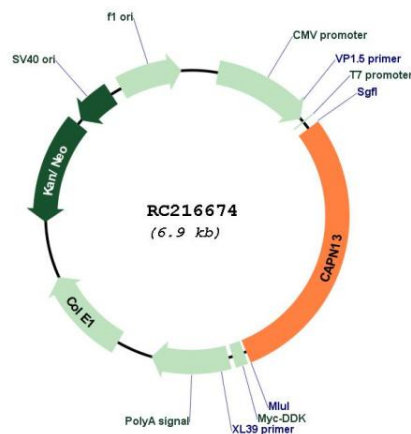
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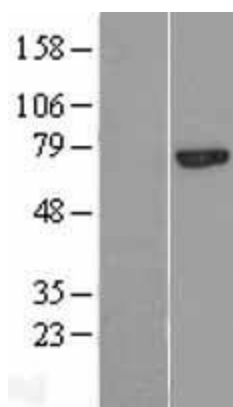
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_144575.2</u> , <u>NP_653176.2</u>
RefSeq Size:	2690 bp
RefSeq ORF:	2010 bp
Locus ID:	92291
UniProt ID:	<u>Q6MZZ7</u>
Cytogenetics:	2p23.1
Domains:	Calpain_III
Protein Families:	Druggable Genome, Protease
MW:	76.7 kDa
Gene Summary:	The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes a member of the calpain large subunit family. [provided by RefSeq, Jun 2012]

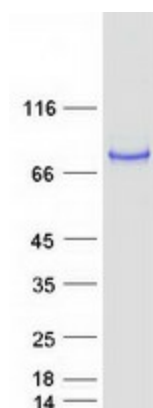
Product images:



Circular map for RC216674



Western blot validation of overexpression lysate (Cat# [LY408283]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216674 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CAPN13 protein (Cat# [TP316674]). The protein was produced from HEK293T cells transfected with CAPN13 cDNA clone (Cat# RC216674) using MegaTran 2.0 (Cat# [TT210002]).