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Product datasheet for SC116156

CRTAP (NM_006371) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRTAP (NM_006371) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRTAP
Synonyms:	CASP; LEPREL3; OI7; P3H5
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC116156 sequence for NM_006371 edited (data generated by NextGen Sequencing)

ATGGAGCCGGGGCGCCGGGGGGCCGCGGCGCTGCTAGCGCTGCTGTGCGTGGCCTGCGCG
CTGCGCGCCGGGCGCGCCCAATACGAACGCTACAGCTTCCGCAGCTTCCCACGGGACGAG
CTGATGCCGCTCGAGTCGGCCTACCGGCACGCGCTGGACAAGTACAGCGGCGAGCACTGG
GCCGAGAGCGTGGGCTACCTGGAGATCAGCCTGCGGCTGCACCGCTTGCTGCGCGACAGC
GAGGCCTTCTGCCACCGCAACTGCAGCGCCGCGCCGCAGCCCGAGCCCGCCGCCGGCCTC
GCCAGCTATCCCGAGCTGCGCCTCTTCGGGGGCCTGCTGCGCCGCGCGCACTGCCTCAAG
CGCTGCAAGCAGGGCCTGCCAGCCTTCCGCCAGTCCCAGCCCAGCCGCGAGGTGCTGGCG
GACTTCCAGCGCCGCGAGCCCTACAAGTTCCTGCAGTTCGCTTACTTCAAGGCAAATAAT
CTCCCCAAAGCCATCGCCGCTGCTCACACCTTTCTACTGAAGCATCCTGATGACGAAATG
ATGAAGAGGAACATGGCATATTATAAGAGCCTGCCTGGTGCCGAGGACTACATTAAAGAC
CTGGAAACCAAGTCATATGAAAGCCTGTTCATCCGAGCAGTGCGGGCATACAACGGTGAG
AACTGGAGAACATCCATCACAGACATGGAGCTGGCCCTTCCCGACTTCTTCAAAGCCTTT
TACGAGTGTCTCGCAGCCTGCGAGGGTTCCAGGGAGATCAAGGACTTCAAGGATTTCTAC
CTTTCCATAGCAGATCATTATGTAGAAGTTCTGGAATGCAAAATACAGTGTGAAGAGAAC
CTCACCCCAGTTATAGGAGGCTATCCGGTTGAGAAATTTGTGGCTACCATGTATCATTAC
TTGCAGTTTGCCTATTATAAGTTGAACGACCTGAAGAATGCAGCCCCCTGTGCAGTCAGC
TATCTGCTCTTTGATCAGAATGACAAGGTCATGCAGCAGAACCTGGTGTATTACCAGTAC
CACAGGGACACGTGGGGCCTCTCAGATGAGCACTTCCAGCCCAGACCTGAAGCAGTTCAG
TTCTTTAATGTGACCACACTCCAGAAGGAGCTGTATGACTTTGCTAAGGAAAATATAATG
GATGATGATGAGGGAGAAGTTGTGGAATATGTGGATGACCTCTTGGAACTGGAGGAGACC
AGCTAG

Clone variation with respect to NM_006371.4
1032 t=>g;1044 g=>a

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006371 unedited
TCAGAATTTTGTAATACGACTCACTATAGGGGCGGCCGCGAATTCGCACGAGGCTTCCTT
TCGCCGGGCGCGATGGAGCCGGGGCGCCGGGGGGCCGCGGCGCTGCTAGCGCTGCTGTGC
GTGGCCTGCGCGCTGCGCGCCGGGCGCGCCCAATACGAACGCTACAGCTTCCGCAGCTTC
CCACGGGACGAGCTGATGCCGCTCGAGTCGGCCTACCGGCACGCGCTGGACAAGTACAGC
GGCGAGCACTGGGCCGAGAGCGTGGGCTACCTGGAGATCAGCCTGCGGCTGCACCGCTTG
CTGCGCGACAGCGAGGCCTTCTGCCACCGCAACTGCAGCGCCGCGCCGCAGCCCGAGCCC
GCCGCCGGCCTCGCCAGCTATCCCGAGCTGCGCCTCTTCGGGGGCCTGCTGCGCCGCGCG
CACTGCCTCAAGCGCTGCAAGCAGGGCCTGCCAGCCTTCCGCCAGTCCCAGCCCAGCCGC
GAGGTGCTGGCGGACTTCCAGCGCCGCGAGCCCTACAAGTTCCTGCAGTTCGCTTACTTC
AAGGCAAATAATCTCCCCAAAGCCATCGCCGCTGCTCACACCTTTCTACTGAAGCATCCT
GATGACGAAATGATGAAGAGGAACATGGCATATTATAAGAGCCTGCCTGGTGCCGAGGAC
TACATTAAAGACCTGGAAACCAAGTCATATGAAAGCCTGTTCATCCGAGCAGTGCGGGCA
TACAACNGGTGAGAACTGGAGAACATCCATCACAGACAGGGAGCTGGCCCTTCCCGACTT
CTTCAAGCCTTTTACGAGTGTCTCGCAGCTGGCGAAGGTTCCNAGGGAGATCAAGGACTT
CAAGGATTTCTACCTTTCCATAGCAGATATTAGGGNNAAAAGTNCTGGAATGCAAATACA
GTGTGAAGAGAACTCACCCAGTTATAGGAGGCTATCCGGTTGAGAAATTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006371 unedited
AGAGTCGAGTTTTTTTTTTTTTTTTTTCATCTTCTAGGAATGTTTTTCTTATTTAAAAAA
TAATACTGATTTTCTGGGAAAAACAAAAAAACAAGCCAGAGAAGACTGCCCTTCAAACCA
AAATGGTAAGAAAGGCAGCTATGAACATGGGGAAGACAAGTGTGAACATGAGGAAGACAG
GGATGAAGGTGTGAAAACAGATGTGAGGATAAGAAGACAGGTGTAAAGGTGAAAAAGAGG
CCGGGCATGGTGGCTCACGCCTGTAATCCCAGCACTGTGGGAGGCCAAGGCAGATGGATC
ATCTGAAGTCAAGAGTTCGAGACCAGCCTGGCCAACATGGCAAAACCCCGTGTCTACTAA
AAATACAAAATTACCCGGGCGTGGTGGCACATGCCTGTAATCCCAGGTACTCGGGAGGCT
GATGCAGCAAAATTGCTTGAACCCAAGAGGCGGAGGTTGCAGTGAGCTGAAAACGTGCCA
TTGCACTTCAGCCTGTGCAAGAGAGCGAGACTCCATCTCACAAAAAGGTGAAAAAGATAG
GTGTGAACATGAGGTGGCAGGTGTGAAAATAGGAAACGTCAGCTCACCCCTGATGACTTG
CTGTTTAAGAAACCGGGGGCTCACTTTTTCCTTTTGGAATTTAAGACAGGTCTTGACGTA
TCAAACACTCTTGCCTGTTGGAAAAGGACAAAAAACTTGTGCTCTCTTGACCCCAAAAGG
ATCTTCTTTGCTGCCTGCGGCCAACTGGTCTCTTCCTTCTCAAAGCGTTTCCATTTTCCA
ACCTCTGCCTATATTCTGCCTTTTTTCGGTTTACCAACCGTACCGCCCTTTCGGATGTGC
CCCCTTAAAAACTTACTGTTCCAGCTGGCCCGGAAGGCTTTTTATAGCCCCCTTCATCTG
GGTCCGGAATCATCACTATTTTGTATACCTTTTTTCCCAAAAATCAAAATGTTGGCAGGG
GGTGTCTCTTGCTTTTCCTTTAAGGCCCGCCTATTGCACCGGCCCCCATTCGTCCCG

Restriction Sites: NotI-NotI

ACCN: NM_006371

Insert Size: 2000 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	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:	NM_006371.3, NP_006362.1
RefSeq Size:	6622 bp
RefSeq ORF:	1206 bp
Locus ID:	10491
UniProt ID:	O75718
Cytogenetics:	3p22.3
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	The protein encoded by this gene is similar to the chicken and mouse CRTAP genes. The encoded protein is a scaffolding protein that may influence the activity of at least one member of the cytohesin/ARNO family in response to specific cellular stimuli. Defects in this gene are associated with osteogenesis imperfecta, a connective tissue disorder characterized by bone fragility and low bone mass. [provided by RefSeq, Jul 2008]