

Product datasheet for SC313243

CTBS (NM_004388) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTBS (NM_004388) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTBS
Synonyms:	CTB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC313243 representing NM_004388. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCCGGCCGAGCTTCGACGCTGGCGCTCGTCTCTAGCCCGCCGAGCGGCGTCCCGGGTCTAGCG
CTGCTGGCGCTGCTGGCGCTGCTGGCGCTGCGGCTCGCGGCCGGGACCGACTGCCATGCCCGGAGCCT
GAGCTCTGCCGCCGATTGCCACCATCCAGATTTGAGGCTTTGTGTTTGTGTTGATGTTGGACAGAAAAT
TGGAAATCTTATGATTGGTCACAGATTACAACGTGGCAACATTTGGAAAATATGACTCAGAACCTATG
TGCTACGCTCATTCAAAGGAGCCAGAGTAGTACTTAAAGGAGATGTATCCTTAAAGGATATCATTGAT
CCTGCTTTCAGAGCATCCTGGATAGCTCAAAAACCTTAATTTGGCCAAAACACAATATATGGATGGAATT
AATATAGATATAGAGCAAGAAGTTAATTGTTTATCACCTGAATATGATGCATTAAGTCTTTAGTCAAA
GAAACTACAGACTCTTCCATCGTGAAATTGAGGGATCACAGGTAACCTTTGATGTAGCTTGGTCTCCA
AAGAACATAGACAGAAGATGCTATAAATACTGGAATCGCAGATGCTTGTGACTTCTCTTTGTGATG
TCTTATGATGAACAAAGTCAGATCTGGTCAGAATGTATTGCAGCAGCCAATGCTCCCTATAATCAGACA
TTAACTGGATATAATGACTACATCAAGATGAGCATTAACTAAGAACTTGAATGGGTGTTCCCTTGG
TATGGTTATGATTATACCTGCCTGAATCTGTCTGAGGATCATGTTTGTACCATTGCAAAAAGTCCCTTTC
CGGGGGGCTCCTTGTAGTGACGCTGCAGGACGTCAGGTGCCCTACAAAACGATCATGAAGCAAATAAAT
AGTTCTATTTCTGAAAACCTATGGGATAAAGATCAGCGGGCTCTATTATAAATAAAGATCCTGCT
GGCCACTTTCATCAAGTATGGTATGATAACCCTCAGAGTATTTCTTTAAAGGCAACATATATACAAAAC
TATCGCTTACGGGCATTGGCATGTGGAATGCAAACGTCTTGTACTACTCTGGAGATGCTGTAGCCAAA
CAGCAAACGAAGAAATGTGGGAAGTCTTAAAGCCAAAGCTGTTACAGAGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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ACCN:	NM_004388
Insert Size:	1158 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_004388.2</u>
RefSeq Size:	3152 bp
RefSeq ORF:	1158 bp
Locus ID:	1486
UniProt ID:	<u>Q01459</u>
Cytogenetics:	1p22.3
Domains:	Glyco_18
MW:	43.8 kDa
Gene Summary:	Chitobiase is a lysosomal glycosidase involved in degradation of asparagine-linked oligosaccharides on glycoproteins (Aronson and Kuranda, 1989 [PubMed 2531691]).[supplied by OMIM, Nov 2010]