

Product datasheet for **RG208496**

CABS1 (NM_033122) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CABS1 (NM_033122) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CABS1
Synonyms:	C4orf35; CLPH; NYD-SP26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208496 representing NM_033122 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAAGATGGTTTGCCAAAATTTATTCTCATCCTCCAACAGAAAGCAGTAAAACACCAACTGCAG
CAACCATTTTCTTTGGGCTGACAATGCTATCCCAAATCAGAAACAATTAATCTCAGAAGGAGACCA
CGTCACTTCAGTAAATGAATATATGCTAGAAAGCGATTTTCAACAACACAGACAACAACCTGACAGCT
AAAAGGAAAACTCAAATCAGAAGATGATATGGGACCGACTTTATTAAGTCAACAACCTCACCTACAGA
AAGAAATTACCTCTGACTGGCACTACAACTCCATAACAAGAGACTCTATTACCGAACATTTTCATGCC
AGTGAAAATTGGGAATTTTCATCACCAGTTACTACTGTTTCTTAATAGATTTTCCACTGACATAGCA
AAAGAAGATATCCTCTTAGCTACCATTGACACAGGAGATGCAGAGATCTCAATAACCTCTGAAGTCTCTG
GCACACTAAAGGACAGCAGTGTGGTGTGCTGACGCTCCTGCCTTTCCACGTAAAAAGGATGAAGCTGA
TATGAGCAATTATAATCCTCCATCAAATCCAATGTCCCTGCTGATGAGGCTGTCCAGGTCAGTATTCC
ATTATTCCTGAGGCTGAAATCCCTCCTGCTCCTGAAGAAAGCTTCACTACTATCCAGACATAACTGCC
TTGAAGAAGAGAAAATAACCGAAATTGACCTAAGTGTGTTTGAAGATGACACCAGTGTGTGGCTACATT
AACTGACTCTGATGAGAAGTTTACTGCTGTGTTGAACACTACTACCTCTGCTGAAAAAGACAAAGATAAA
CGGGAAGATACTGCTAACTGATGAAGAACTACCGAGGGGCCAGTATTGGGATGGAGAGAGATACTG
CAAATGAAGCAGAGACCCATTCTGTTTGGCTTACTGCTGTTGAATCCAGATATGACTTCGTTGTCCTGC
ATCAATAGCTACAAACCTAGTGGAAGAATCATCTACAGAAGAAGATTTGTCTGAACTGATAATACAGAG
ACTGTACCTAAGATCACTGAGCCATTTTCTGGAACACTCTGTATTAGATACCCAGACTATAAGGAAG
ACACCTCCACAACCTGAAACGGATATCTTTGAACTACTGAAAGAAGAACCAGATGAGTTTCATGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208496 representing NM_033122
 Red=Cloning site Green=Tags(s)

MAEDGLPKIYSHPPTESSKTPTAATIFFGADNAIPKSETTITSEGDHVTSVNEYMLESDFSTTTDNKLTAKKEKLSKSEDDMGTDFIKSTTHLQKEITSLTGTTNSITRDSITEHFMPVKIGNISSPVTTVSLIDFSTDIAKEDILLATIDTGDAEISITSEVSGTLKDSSAGVADAPAFPRKKDEADMSNYNSSIKSNVPADEAVQVTDSEIPEAEIPPAPEESFTTIPDITALEEEKIETEIDLSVLEDDTSAVATLTDSDEKFITVFELTTSAEKDKDKREDTLLTDEETTEGASIGMERDTANEAEHSHVLLTAVESRYDFVVPASIAIATNLVEESSTEEDLSETDNTE TVPKITEPFSGTTSVLDPDYKEDTSTTETDIFELLKEEPDEFMI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033122

ORF Size: 1185 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_033122.2](#), [NP_149113.2](#)

RefSeq Size: 1578 bp

RefSeq ORF: 1188 bp

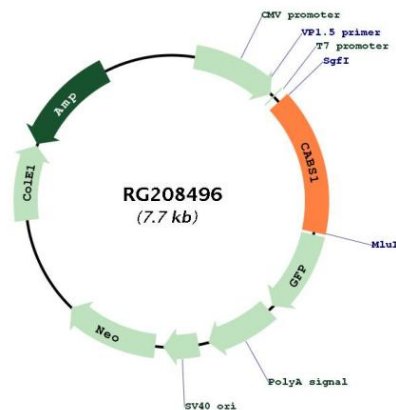
Locus ID: 85438

UniProt ID: [Q96KC9](#)

Cytogenetics: 4q13.3

Gene Summary: Calcium-binding protein (By similarity). Essential for maintaining the structural integrity of the sperm flagella (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208496