

Product datasheet for **MG212682**

Ceacam16 (NM_001033419) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ceacam16 (NM_001033419) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ceacam16
Synonyms:	Gm769
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG212682 representing NM_001033419 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATGCCATTGACCTGGTACAGCTGGTTCCTCCTCAGTGCCTGGATCCTGAACACTGGGGCCGAGA
TCTCCATACCCCCGAGCCTGCACAACCTGCAGAGGGAGACAATGTCACGCTGGTAGTCCATGGGCTTTC
AGGGGAAGTCTGCCTACAATTGGTACGAGGGCCTACGCTCAGCCTGACCTTCTGGTGGCCAGTTAC
ATTGTCAGCACTGGTATGAGACCCCGACCAGCCACACAGGGCGGGAAGCTGTCGCTCTGATGGCA
GCCTTGATATCCATGGTGCCTTACCTGGGCACACAGGCACCTACATCCTGCAGACTCTTAACAGGCAGTT
TCAGACGGAGGTGGGCTACGGACACATGCAGGTCTATGAGATCCTGACCCCTCCCACGGTCATGGCCAAC
GACACTGCGCTGGTGGAGCGTAGGGATACCCCTTCGTCTCGTCTGTAGCAGCCCCAGCCCCGCTGAGGTCC
GCTGGTCTTCAATGGTACGCTCTGCCAGTTGCCGTCCGCTTGGGCATGTCCCCGATGGCAGGATGCT
GACCCGGCATGGCGTCCGCAGGGAGGAGGCAGGCGCCTACCAGTGCGAGGTGTGGAACCCCGTCAGCGTC
AGCCGCAGCGAGCCACTGAACTTGACGGTATACTTCGGCCCTGAACGAGTAGCTATCCTTCAAGACTCTA
CCACCCGACGGGCTGCACTATTAAGTGGACTTCAACACGTCCCTCACCTGTGGTGTGTGGCGGGTC
TTGCCCTGAGCCAGAGTACGTGTGGCCCTTCAATGGAAAGCCTTGAAGAATGGCCAGGATCACCTGAAC
ATCAGCAGTATGACTGCAGCCATGAGGGCACGTACACGTGCATCGCTAAGAATCCAAGACGCTGCTGT
CTGGCTCTGCCTCAGTGGTAGTCAAGCTGTCCGCGGCAGCTGTAGCCATGATGATCGTTCCTGTACCGAC
TAAGCCAACGGAGGGCCAGGACGTGACCTGACTGTCCAGGGCTACCCCAAGACCTGCTAGTCTATGCC
TGGTATCGTGGACCTGCCTCGGAACCAACCGACTGCTCAGCCAGCTGCCGTGAGGAACTGGATCGCTG
GCCCGGCACACAGGCCGGGAGGTGGGCTTCGCTAATTGCTCACTGCTGGTGAAAAGCTGAACCTCAC
TGATGCCGGGCGCTACACTCAAGACCGTCACACTGCAGGGCAAGACCGACACTCTGGAGGTGGAGCTA
CAGGTGGCCCCCTGGAG

ACCGTACGGCGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG212682 representing NM_001033419
 Red=Cloning site Green=Tags(s)

MK MPL TWYSWFLLSAWILNTGAEISITPEPAQPAEGDNVTLVHGLSGELLAYNWWYAGPTLSLTFVLVASY
 IVSTGDETPGPAHTGREAVRPDGSLDIHGALPGHTGTIYLQTLNRQFQTEVGYGHMQVYEILTPPTVMAN
 DTALVERRDTRLRLVCCSSPAEVRWFFNGDALPVAVRLGMSPDGRMLTRHGVRRREEAGAYQCEVWNPVSV
 SRSEPLNLTVYFGPERVAAILQDSTTRTGCTIKVDFNTSLTLWCVARSCPEPEYVWFVAFNGKALKNGQDHLN
 ISSMTAAHEGTYTCIAKNSKTL LSGSASVVKLSAAAVAMMI VVPVTPKPT EGQDVT LTVQGYPKDLLVYA
 WYRGPASEPNRLLSQLPSGNWIAGPAHTGREVGFANCSLLLVQKLNLT DAGRYTLKT VTLQ GKDTLEVEL
 QVAPLE

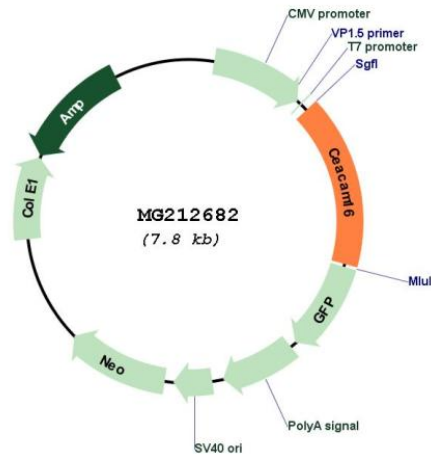
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001033419

ORF Size:	1278 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:	<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:	NM_001033419.2 , NP_001028591.2
RefSeq Size:	1635 bp
RefSeq ORF:	1281 bp
Locus ID:	330483
UniProt ID:	E9QA28
Cytogenetics:	7 A3
Gene Summary:	Required for proper hearing, it may play a role in maintaining the integrity of the tectorial membrane.[UniProtKB/Swiss-Prot Function]