

Product datasheet for **MC228885**

Usp45 (NM_001290425) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp45 (NM_001290425) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp45
Synonyms:	3110003C05Rik; 4930550B20Rik; AI843191; Gcap7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228885 representing NM_001290425
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGGGTAAAAGATCCATCAAAGATCTACCTGAAAAAGGCAAAGAAATAAAAGACCACTGCTGCCTC
 ATGATGAAGATTCTCCGATGACATTGCTGTAGGTCTAACGTGCCAGCAGTCAGTTATGCTGTCAGTGT
 GAATCATGTGAAGAAAGCAGTAGCTGAGAGTCTGTGGTCAGTTTGTTCAGAATGTTTGAAAGAGAGAAGA
 TTCTGCGATGGACAGCCAGTACTGCCTGCTGATGTTTGGTTGTGCCTCAAGTGTGGTTTGCAGGGATGCG
 GTAAAACTCAGAAAGCCAGCATTCACTGAGACACTTCAAGAGCTCTGGGACAGAGTCCCATTGTGTTGT
 CATCAGCCTGAGTACATGGGTATATGGTGTATGAATGCAATGAAAAGTTGTCGACACATTGCAACAAG
 AAAGTTTGGCTCAAATAGTTGATTTTCTCCAGAAACATGCTTTTAAAACACAAACAGGTGCATTTTCTA
 GAATCATAAAACTTTGTGAAGAAAACGTGAAGCAGGTGAAATAAAGAAGGGGAAGAAAGGCTGCACTGT
 GCCATCTGTCAAAGGAATTACAACTTAGGGAATACTTGTCTTTTAAATGCAGTCATTGCAAACTGGCT
 CAGACTTACATTTCTTTTGAAGTATGAACGAGATAAAAGAAGATGGCACCAAATCAAGATTTCTCTTT
 CGTCAGCTCCACAGCTGGAGCCGTTAGTGGTGGAACTCTCGAGCCAGGACCACTGACGTGAGCCTGTT
 CCTGTTTCTTACAGCATGAAGGAGGCTGAAAAAGGACCACTTTCTCTAAAGTTCTTTTCAATCAGCTT
 TGTGAGAAGGCTCCTCGGTTTAAAGGTTCCAGCAACAGGACAGCCAGGAGCTTCTGCACCATCTGTTGG
 ATGCAGTGAGGACAGAGGAGACCAAGAGGATACAAGCCAGCATTCTAAAAGCCTTCAACAACCAACTAC
 CAAGACTGCTGATGATGAAACTAGAAAAAGGTCAAAGCCTATGGAAAGGAAGGTGTGAAGATGAACTTC
 ATAGATCGCATCTTTATGGCGAATTAAGTACACAGTCATGTGTGAAGAATGTGCGAACATCTCTACCA
 TGAAGGATCCCTTCATTGATATCTCACTTCTATCATAGAAGAAAGGAACCAACTAAGTCATGACAGAAA
 ACATTTAAGAAAAATGGCCATCTGAAGAAGAGAAAACTGTTGTTACACACCCAAAGAATGACAACCTGGAA
 GCCAGCCCGCTGCCAGCACCTCAGCACTGAGGCGTCCCTGAACGAGAGCCTCACTGACGCGAGCGAGA
 GGGACGCCAGCCTAGAGAGCAGCGTGGATGCCGACAGCGAGGCTTCGGAGCCCGAGATCGCTTCCAAGCA
 GCCTGTGCTGCTGCGGTCCAGGGGTGATTCTGCGGACACGCGGAGCAGCACCCACACCTCCCACTGGCA
 AGTGAATTGCCACAAGCCAAGGAGACGCATGGTGGCGAGGAGAAATGGCGGAAGCGATTGCTGAACTTC
 ATTTGAGTGGCACTGTAAGTGGCAATAGAGATTTCCACAGGAAAAACAGCCACTAAATGTCCCAAATAA
 TTTGTGTTTTTTCAGAGGGAAAACATACGAGGCTTCACAGTGCCCAAAATGCTTTTTCAGACCTTTTCTCAG
 AGTTATGTAAGTACTTCTAAAGAATGCTCAGTCCAGTCTGTCTCTACCAGTTCACATCCATGGAGTTAT
 TAATGGGCAACAATAAGCTGCTCTGTGAGGACTGTACTGAAAAGAGACGGAAGTGCACAAAGAAACCAG
 CTCCGCAGAAAAGAAAGCAGGAGGAGTTTATACCAATGCCAGGAAGCAACTCCTCATATCTGCCGTTCTCT
 GCTATCCTAATCCTTCATCTTAAAAGATTTCCACCAGGCTGGCTTGAGTCTTCGTAAGATAAACAGACATG
 TAGACTTTCCGCTTACCTTGGCTTGGCACCGTCTGTGCGGCTACCTGTAAGAAATAAGTGTGGGGGA
 GAAGGTTCTCTACGGTCTCTACGGTATAGTGGAGCACAGCGGCTCCATGAGAGGAGGCCACTACACTGCT
 TACGTGAAAGTGAGAGTACCCTCCAGGAAGCTGTCCGAGTGCATACCCGGGAGGAAGACTGCAGCCGTT
 TGAAAGAACCTGATGGTGAATTTGGGAGGCCACTGGGTCCATGTCAGCGACACCTATGTGCAAGTGGTTCC
 AGAGTCAAGAGCCCTGAGTGACAAGCTTATCTTCTTTTTATGAAAGAATATTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001290425
Insert Size: 2298 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001290425.1</u> , <u>NP_001277354.1</u>
RefSeq Size:	5874 bp
RefSeq ORF:	2298 bp
Locus ID:	77593
UniProt ID:	<u>Q8K387</u>
Cytogenetics:	4 A3
Gene Summary:	<p>May be involved in the maintenance of photoreceptor function.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>