

Product datasheet for **MC200597**

Ggact (NM_145466) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ggact (NM_145466) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ggact
Synonyms:	A2Id1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC006662 sequence for NM_145466
 GGGCGCGCTCCTCGTGATTCCCCTGACCACTGCAGGGACAAGTTGCTTCCTGAAGGATCCATGTGTATTG
 TTCAAAACACAAGCTTAAAAAGAGTGCCTGCAGACAGATGGCCACATCTTCGTGTATGGCACCCCTGAAG
 CGCGGCCAACCCAAACACAAAGTCATGCTGGACCATTACATGGCTTAGCAGCCTTCCGAGGCCGAGGCT
 GCACAGTTGAGTCTTCCCACTGGTGATTGCAGGCGAGCACAACATACCTTGGCTGCTGTACCTACCAGG
 CAAGGGCCACTGTGTGACAGGTGAGATCTACGAGGTGGACGAGCAGATGTTGCGTTTCTGGATGACTTT
 GAAGACTGCCCCAGCATGTACCAGCGCACAGCCCTGCAGGTGCAGGTGCTAGAGTGGGAGGGTGACGGTG
 ACCCTGGGACAGTGTGCAGTGTCTTGTGTACACTACAGCCACCTATGCACCCGAGTGGCTGTTTCTTCC
 CTACCATGAAAGCTATGATTCTGAGGGTCCACATGGGCTACGCTACAACCCCGGAAAACAGATAAAGG
 GCTGTGCCCCAGACGCCAACAGGATGGAGGAACCAGATAGCTTCTGGCATAAGCAGAGCTTCCAAGT
 TCAACTCTAAAGCATGTTGACAAAACATTTTTGTGATATACTCTAATCTGATGTGACTTAATACTGCTCT
 AGTCTTAAGGAGCACCTGGACTTGCAGGTACTAGATAGGAAACACTCTAGACTGAGGTCCCTGACATGGC
 AGTTACAGGATACCTGGTTCTCCTCACTGCCTTTTTTTTTTTTAAATTTGCTTTGCTTAACCTGAAGATG
 GCATCTTCTGAGACTAAAAGACTAGGCTGCAGTTGCATCTCAGAAGTGAATCTAGAAAGAAGTGGCAG
 GAAATACTGAATTGGGTTGGATCAGTGTAAAAACATCAAGGAAAGCATGTTGTACTTAAACTATGTGCTC
 CATCCACCCCAACCCCACTTGAATTTCCAATTCACACACAACTATTAATGAGCCATTAAT

Restriction Sites: RsrII-NotI

ACCN: NM_145466

Insert Size: 450 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).



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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>BC006662</u> , <u>AAH06662</u>
RefSeq Size:	1045 bp
RefSeq ORF:	450 bp
Locus ID:	223267
UniProt ID:	<u>Q923B0</u>
Cytogenetics:	14 E5
Gene Summary:	Contributes to degradation of proteins cross-linked by transglutaminases by degrading the cross-link between a lysine and a glutamic acid residue. Catalyzes the formation of 5-oxo-L-proline from L-gamma-glutamyl-L-epsilon-lysine. Inactive with L-gamma-glutamyl-alpha-amino acid substrates such as L-gamma-glutamyl-L-alpha-cysteine and L-gamma-glutamyl-L-alpha-alanine.[UniProtKB/Swiss-Prot Function]