

Product datasheet for **RR211425**

Azgp1 (NM_012826) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Azgp1 (NM_012826) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Azgp1
Synonyms: ZA2GA; Zna2gp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211425 representing NM_012826
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGCCTGTCCTGTTGTCCCTGCCTCTCCTTCTGGGTCTGCAGTCCTCAGGAGACTGGGTCTTATT
CTCTGATCTTCTCTACACCGGGTTGTCCAGGCCAGCAAAGGCCTTCTGAGTTTCAAGCCACCGCATT
TCTCAACGATCAGGCCTTCTTCCACTACAACAGCAACAGTGGGAAGGCAGAGCCCGTGGAAACCTGGAGC
CATGTGGAAGGAATGGAGGACTGGGAGAAGGAAAGCCAGCTTCCAGAGAGCCAGGGAGGAGATCTTCTCG
TGACCCTGAAAGACATCATGGACTATTACGAGGACAGTACAGGGTCTCACACCTTTCAGGGAATGTTTGG
TTGTGAGATCACAAATAACAGAAGTAGTGGAGCAGTCTGGAGGTATGCCTACGATGGAGAAGATTTATC
GAATTCACAAGGAAATCCCAGCCTGGATCCCCTTAGACCCAGCAGCCGCAAACCAAGCTGAAGTGGG
AGGCAGAAAAGGTCTATGTGCAGCGAGCCAAGGCATACCTAGAGGAGGAGTGTCTACAATGCTGAAGAA
GTACCTGACCTACAGTAGATCTCACCTGGACCGAACAGATCCTCCCACTGTGAAAATCACCAGCCGTGTG
GCCCCAGGAAGAAACAGAATATTCAGATGTCTGGCCTATGACTTCTACCCACAAAGAATTAGTCTGCACT
GGAACCAGGCCAGCAAGAAGCTGGCATCTGAACCAGAAAGAGGTGTTTTTCCCAATGGAAATGGCACTTA
CCTCTCCTGGATGGAGGTGGAAGTCCCCCACAGAACAGAGACCCCTTTGTCTGCCACATAGAACACAAG
GGCTATCCCAATCTCTCTCAGTGCAGTGGGATGAGAAAAGTAAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211425 representing NM_012826
 Red=Cloning site Green=Tags(s)

MVPVLLSLPLLLGPAVLQETGSYSLIFLYTGLSRPSKGLLRFQATAFLNDQAFFHYNSNSGKAEPVEPWS
 HVEGMEDWEKESQLQRAREEIFLVTLKDIMDYEDSTGSHTFQGMFGCEITNNRSSGAVWRYAYDGEDFI
 EFNKEIPAWIPLDPAAANTKLKWEAEKVYVQRAKAYLEEECPMLKKYLTYSRSHLDRTPPTVKITSRV
 APGRNRIFRCLAYDFYPQRI SLHWNQASKKLASEPERGVFPNGNGTYLSWMEVEVPPQNRDPFVCHIEHK
 GLSQLSVQWDEKSKV

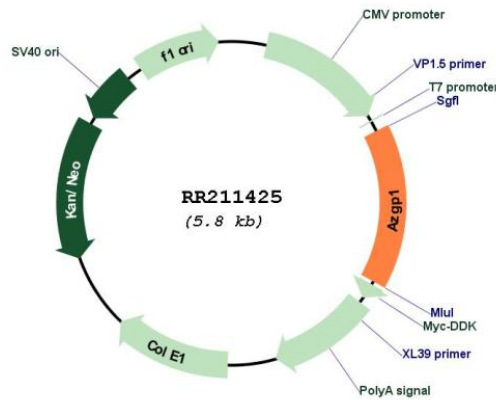
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012826

ORF Size: 888 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_012826.2 , NP_036958.2
RefSeq Size:	1212 bp
RefSeq ORF:	891 bp
Locus ID:	25294
Cytogenetics:	12q11
MW:	34 kDa
Gene Summary:	has similarity to class I major histocompatibility complex (MHC) antigens [RGD, Feb 2006]