

Product datasheet for **MG216627**

Adgre4 (NM_139138) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgre4 (NM_139138) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adgre4
Synonyms:	D17Ert479e; Egf-tm7; Emr4; Fire; Gpr127
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG216627 representing NM_139138
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGCAGGTGCCTTCTGCATGCCTCAGTTCTGGAATGCTGCTTATCTGGTCAATATTACAAATGA
 TGAATATTTTCAGCTTCTGTCCCCAGTGCAATGAAATGCCAGCTGCTTCAACAGCACCCACTGTGTTG
 TAAAGAAGGATTCTGGACGGCTCTGAGAATAGAAGAATTATTGAGCCCATGAGAAATGTCAAGATATT
 AATGAGTGTCTACTGAAAGAATTGGTATGCAAGGATGTGTCGACTGCAGAAATAAAATGGGACTTACA
 TATGCAGCTGTGTAGTAAATATCCTTTGTTCAACTGGGTAGCTGGCATTATTAATTATGATCACCTGA
 TTGTTATGTGAACAAGAGCAAGAATACAGGATCAAAAACACATACTTTGGGAGTACTGAGTGAATTTAA
 TCCAAAGAGGAGTTGCAAAAGGAGCTACCAAGTTACTTCGAAAGTGGAACATCACATCTTGAATGAA
 ACTCAGATATACCAAAAAGGATGAAATCCTTTATTGGATATAGTGATGAAACTAAGAGGTGCAAGAC
 GATGACTCTTCTAGAAGCTGGCAACAACAATGAAGTTGACTGCACTAGTGGTTTCAAAGAGCACAAC
 AGTGGAGGTGAACTGCACTGGCTTTCATTGCATATAAGTCTCTTGGGAATCTTCTAAATGGTTCCTTTT
 TTAGTAATGAAGAAGGGTTTCAGGAAGTGACACTGAACTCTCACATCGTTAGTGGAGCCATTTCGCTCAGA
 GGTCAAACCTGTCCTCTCTGAACCTGTACTCTGACTTTACAAAATATTCAGCCCATGACTCAAGAGCA
 GAACATCTCTGTGTCCATTGGGAAGGATCAGAGGAAGGGGGAGCTGGTCTACCAAGGATGCTCTCACG
 TGTACACCAATAATTCTACACCATTTGCAAGTGTTCACCTGTCCAGCTTTGCTGTGCTCATGGCTCT
 ACCCCATGAGGAGGATGGTGTGCTTTCTGCACTCTCTGTGATCACCTATGTGGGACTGAGTCTTTCTCTC
 TTGTGCCTATTTCTGGCGCCATCACTTTCTCCTGTGCCGACCCATTGAGAATACCAGCAGCAGACTCC
 ACCTGCAGCTCTCCATCTGCCTTTTCTGGCTGACCTCCTCTTCTCACAGGCATCAACAGAATAAGCC
 TAAGGTGCTGTGCTCCATCATAGCGGGGATGTTGCACTACCTCTACTTGGCTTCCTTCATGTGGATGTTT
 CTGGAAGGGCTACATCTTTTCTCACTGTGAGCAATCTCAAAGTGGCCAATACAGCAACTCAGGCAGAT
 TCAAGAAGAGGTTTATGTATCCTGTAGGATATGGGCTTCTGCTTTTATTGTTGCTGTATCTGCAATAGC
 TGGCCACAAGAATTATGGAACACACAACCACTGCTGGCTCAGCCTTCATCGAGGATTCTCTGGAGCTTC
 TTGGGGCCAGCGGCAGCCATTATCTTGATAAACCTGGTGTCTACTTTCTAATAATATGGATTTTGAGAA
 GCAAACTTTCTTCTCTCAATAAAGAAGTTTCTACACTTCAAGACACAAAGGTTATGACATTTAAAGCCAT
 TGTCCAGTTATTTGTGTTGGGATGTTCTTGGGCATTGGCTTGTATTTTTCATTGAAGTTGGGAAGACA
 GTGAGACTGATCGTTGCCTATCTGTTACCATCATCAATGTCCTGCAGGGTGTGTTGATATTTATGGTAC
 ATTGTCTGCTTAATCGCCAGGTGCGGATGGAATATAAGAAGTGGTTTCATAGACTGCGGAAGGAAGTTGA
 AAGTGAAGCACTGAAGTGTCTCATTCTACTACTCACACAAAAATGGGTCTTTCTCTGAACCTGGAAAAAT
 TTCTGCCAACAGGAAACCTCCATGATCCTTCTGACTCCATCCTTCCAAGTACTGAAGTAGCAGGTGTAT
 ATCTAAGCACACCCAGGTCTCATGGGTGCTGAGGATGTGAAGTCAAGTACTCAGCTTACTGGAGCAG
 AACTATTAGTGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG216627 representing NM_139138
 Red=Cloning site Green=Tags(s)

MGSRCLLHASVPGMLLIWSILQMMNISASCPQCENASCFNSTHCVCKEGFWTGSENRRIIEPHEKCQDI
 NECLLKELVCKDVSYCRNKIGTYICSCVKYPLFNWVAGIINIDHPDCYVNSKNTGSKTHTLGVLSEFK
 SKEEVAKGATKLLRKVEHHILNENSDIPKKDENPLLDIVYETKRCKTMTLLEAGNNTMKVDCTSGFKEHN
 SGGETAVAFIAYKSLGNLLNGSFFSNEEGFQEVTLNHSIVSGAIRSEVKPVLSEPVLLTLQNIQPIDSR
 EHL CVHWEGSEEGSWSTKGCSHYVTNNSYTICKCFHLSSFAVLMALPHEEDGVL SALSIVITYVGLSLSL
 LCLFLAAITFLLCRPIQNTSTTLHLQLSICLFLADLLFLTGINRTKPKVLCSSIIAGMLHYLYLASFMWFM
 LEGLHLFLT VSNLKVANYSNSGRFKRFMYPVGYGLPAFIVAVSAIAGHKNYGTHNHCWLSLHRGFIWSF
 LGPAAAIILINLVFYFLIIWILRSKLSLNKEVSTLQDTKVMTFKAIVQLFVLGCSWGIGLFIIEVGKT
 VRLIVAYLFTIINVLQGVLFIMVHCLLNQVRMEYKKWFHRLRKEVESESTEVSHTTHTKMGLSLNLEN
 FCPTGNLHDPDSILPSTEVAGVYLSTPRSHMGAEDVNSGTHAYWSRTISD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_139138

ORF Size: 2067 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_139138.2](#)

RefSeq Size: 3491 bp

RefSeq ORF: 2070 bp

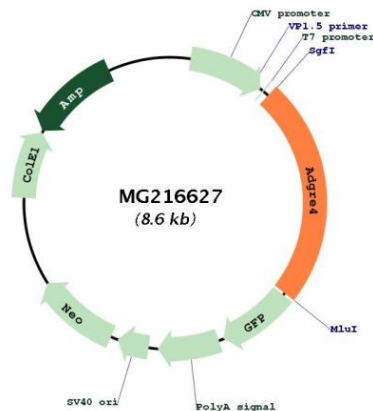
Locus ID: 52614

UniProt ID: [Q91ZE5](#)

Cytogenetics: 17 28.98 cM

Gene Summary: May mediate the cellular interaction between myeloid cells and B-cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216627