

Product datasheet for MR224278

Itgae (NM_008399) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itgae (NM_008399) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itgae
Synonyms:	A530055J10; alpha-E1; alpha-M290; aM290; CD103
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224278 representing NM_008399 Red=Cloning site Blue=ORF Green=Tags(s)

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GATGCCTTTGTGCGACGGATAGAAGGAGAGCAGATGGGGTCTACTTTGGCTCTGTGCTGTGCCCTGTGG
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Protein Sequence: >MR224278 representing NM_008399
 Red=Cloning site Green=Tags(s)

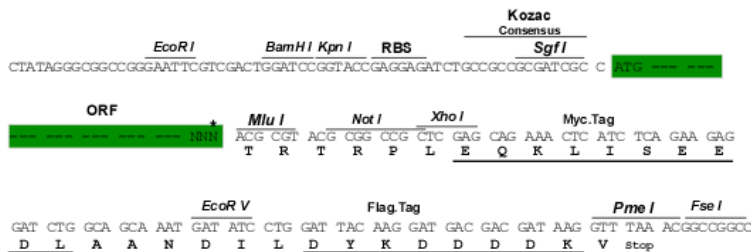
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 SSIIGLLVLVIIAILFKCGFFKRKYQLNLESTRRAQLKADSL LQD

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Restriction Sites:
 Cloning Scheme:

Sgfl-MluI

Cloning sites used for ORF Shuttling:



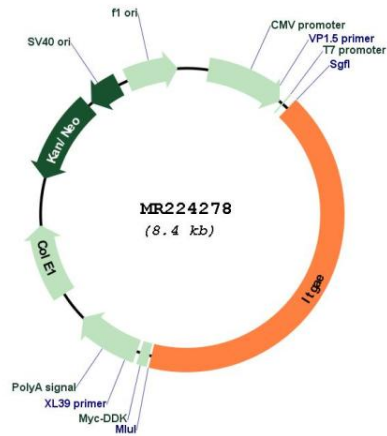
* The last codon before the Stop codon of the ORF

ACCN: NM_008399

ORF Size: 3501 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_008399.3
RefSeq Size:	3836 bp
RefSeq ORF:	3504 bp
Locus ID:	16407
UniProt ID:	Q60677
Cytogenetics:	11 45.22 cM
MW:	129.4 kDa
Gene Summary:	Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers. Mice expressing a null mutation of the alpha-E subunit gene exhibit a marked reduction in the numbers of intraepithelial lymphocytes in the gut and in the development of gut-associated lymphoid aggregates, supporting a specific role for this integrin in mediating retention of lymphocytes in the intestinal wall.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224278