

Product datasheet for **MR222893**

Itgb5 (NM_001145884) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itgb5 (NM_001145884) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itgb5
Synonyms:	AA475909; AI874634; beta-5; beta5; ESTM23; [b]-5; [b]5; [b]5A; [b]5B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222893 representing NM_001145884
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGGGTGCCCGGACCCCTACGCCTGTCTGCTCGGGCTCTGCGCGCTCGTTCGCGCCTCGCAG
 GGCTCAACATATGCACTAGTGGAAGTGCCACCTCGTGTGAAGAATGCCTGTTGATCCACCCAAAATGTGC
 CTGGTGTCCAAAGAGTACTTTGGCAATCCACGGTCCATCACCTCTCGGTGTGACCTGAAGGCAAACCTC
 ATCCGGAATGGCTGTGAAGGTGAGATTGAGAGTCCAGCCAGCAGCACCCACGTCCTCCGGAACCTACCTC
 TCAGCAGCAAGGGTTCAGTGCCACGGGCTCTGACGTCATCCAGATGACGCCGAGGAGATTGCAGTGAG
 CCTCCGGCCAGGCGAGCAGACTACGTTCCAGCTGCAGGTGCGCCAGGTGGAGGACTACCCTGTAGACCTG
 TACTACCTGATGGACCTCTCCCTCTCCATGAAGGATGACTTGGAGAACATCCGGAGCCTGGGCACCAAGC
 TTGCCGAGGAAAATGAGGAAGCTCACTAGTAACTCCGCTTAGGTTTCGGGTCTTTTGTGACAAGGACAT
 CTCTCCTTTCTCTACACGGCACCGAGATACCAGACCAATCCGTGATTGGTTACAAGTTATCCCAAC
 TGGCTCCCTCCTTCGGGTTCCGGCATCTGCTGCCTCTCACAGACAGAGTCGACAGCTTCAACGAGGAAAG
 TGAGGAAGCAGAGGGTGTCCCGAAACCGAGATGCCCCGAGGGGGGGTTTGTATGCCGTCTCCAGGCTGC
 TGTCTGCAAGGAGAAGATCGGATGGCGAAAAGATGCTCTGCACCTGCTGGTGTTCACAACAGACGATGTG
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 AAGCCAATGAGTACACAGCCTCTAACAGATGGACTATCCATCGCTTGCCTTGTGGGGAGAAGCTGGC
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 CTGATACCTGGAACCACTGTGGAGATTTTGCATGGAGATTCAAAAATATTATTCACTGATTATCAATG
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 CACTGCCACCTGCCAAGATGGCATACTTACCCTGGTCAGAGGAAGTGTGAGGGTCTGAAGATTGGGGAC
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 GAGTGAGTTCGGGAGGATCTACGGACCTTTCTGCGAGTGTGACAGCTTTTCTGTGCCAGAAACAAGGGC
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 GGAGGCTGTGCTTTGCTTCTACAAAACCTGCTAAGGACTGCGTTATGATGTTTACAGTACACAGAACTGCC
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 TGCTGGCTGTGGTTGGCAGCATCCTCCTGATTGGGATGGCACTCCTGGCCATCTGGAAGCTGCTCGTCA
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 AACCCCTGTACAGAAAGCCATCTCCACACACTGTCGATTTGCGCTTCAACAAGTTCAACAAATCCT
 ACAATGGCTCAGTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222893 representing NM_001145884
Red=Cloning site Green=Tags(s)

MPRVPATLYACLLGLCALVPRLAGLNICTSGSATSCEECLLIHPKCAWCSKEYFGNPRSITSRCDLKANL
IRNGCEGEIESPASSTHVLRLNPLSSKGSSATGSDVIQMPQEIAVSLRPGEQTTFLQVRQVEDYPVDL
YYLMDLSLSMKDDLENIRSLGTLAEEMRKLTSNFRLGFGSFVDKDISPF SYTAPRYQTNPCIGYKLFN
CVPSFGFRHLLPLTDRVDSFNEEVRKQVSRNRDAPEGGFDAVLQAAVCKEKIGWRKDALHLLVFTDDV
PHIALDGKLGGLVQPHDQCHLNEANEYASNQMDYPSLALLGEKLAENNINLIFAVTKNHMYLYKNFTA
LIPGTTVEILHGDSKNIIQLIINAYSSIRAKVELSVWDQPEDLNLFFATCQDGISYPGQRKCEGLKIGD
TASFEVSVEARSCPGRQAAQSFTLRPVGFRDSLQVEVAYNCTCGCSTGLEPNSARCSNGTYTCGLCECD
PGYLGTRCECQEGENQSGYQNLCREAEGKPLCSGRGECSCNQCSCFESEFGRIYGPFCEDSFSCARNKG
VLCSGHGECHECKCHAGYIGDNCNCSTDVSTCRAKDGQICSDRGRCVCGQCQCTEPGAFGETCEKCPT
CPDACSSKRDCVECLLLHQGKPDNQTCHHQCKDEVITWVDTIVKDDQEAVLCFYKTAKDCVMMFSYTELP
NGRSNLTVLREPECGSAPNAMTILLAVVGSILLIGMALLAIWKLVTIHDRREFAKFQSERSRARYEMAS
NPLYRKPISTHTVDFAFNKFNKSYNGSVD

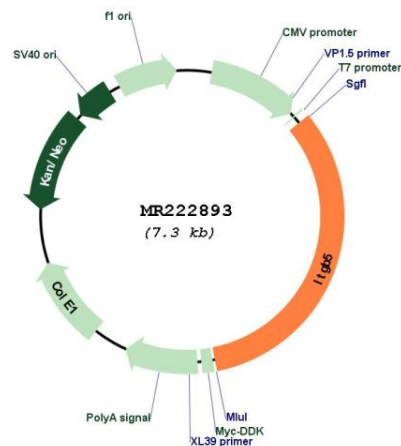
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2498_e07.zip

Restriction Sites: Sgfl-Mlul

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:	<u>NM_001145884.1, NP_001139356.1</u>
RefSeq Size:	3304 bp
RefSeq ORF:	2400 bp
Locus ID:	16419
UniProt ID:	<u>O70309</u>
Cytogenetics:	16 B3
MW:	88.5 kDa
Gene Summary:	Integrin alpha-V/beta-5 (ITGAV:ITGB5) is a receptor for fibronectin. It recognizes the sequence R-G-D in its ligand.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222893