

Product datasheet for MR212147

Tacstd2 (NM_020047) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tacstd2 (NM_020047) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tacstd2
Synonyms:	C80403; EGP-1; GA733-1; Ly97; TROP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212147 representing NM_020047 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAGGGCTTGGATCTAGCACCGCTGCTACTGCTACTGCTGGCGATGGCGACCCGCTTTTGCACGG
CTCAGAGCAACTGTACATGCCCCACCAACAAGATGACGGTCTGCGACACAAATGGCCAGGCGGGTCTG
CCAATGTCGGGAATGGGCTCACAGGTATTGGTCGACTGCTCCACGCTAACTTCCAAGTGCCTGCTGCTC
AAGGCGCGCATGAGCGCCGGAAGAGCGGCCGAGCCTGGTATGCCGAGCGAGCAGCGATACTGGACA
ACGATGGCCTCTACGACCCGAGTGTGACGACAAGGGCCGCTTCAAGGCGGCCAGTGAACCAGACCTC
GGTGTGCTGGTGCCTAACTCGGTGGGCGTGGCCGACGACAAGGGAGACCAAAGCCTGCGCTGCGAC
GAAGTGGTGCGAACCCACCACATCCTCATTGAGTTGCGCCACCGCCGACCGACCGAGCCTCAACCACT
CTGACCTAGACTCCGAGCTGCGGCGGCTCTTCCAAGAAGCTACAAGCTGCACCCAGCTTCTATCCGC
GGTACACTATGAGGAGCCACCATTAGATAGAGCTTCGGCAGAACGCGTGCAGAAAGGGCTTGAGAGAC
GTGGACATCGCTGATGCCGCTACTACTCGAAAGGGACATTAAGGCGAGTCACTGTTCATGGGCCGCC
GCGGCTGGACGTGCAGGTGCGTGGGGAACCCGTCATGTGGAGCGGACGCTCATCTACTACCTGGACGA
GAAGCCCCCAGTTCTCCATGAAGCGCCTCACCGCCGGCGTATTGCCGTCATCGCTGTCGTCTCGGTA
GCGGTAGTGGCTGGTGTGGTGGTCTTGGTGGTCAACAAACGGAGGAAGTCGGGCAATACAAAAGGTGG
AGCTTAAGGAGCTGGGGGAGATGAGAAGCGAACCTAGCTTG

CTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACG
ATAAGGTTTAA



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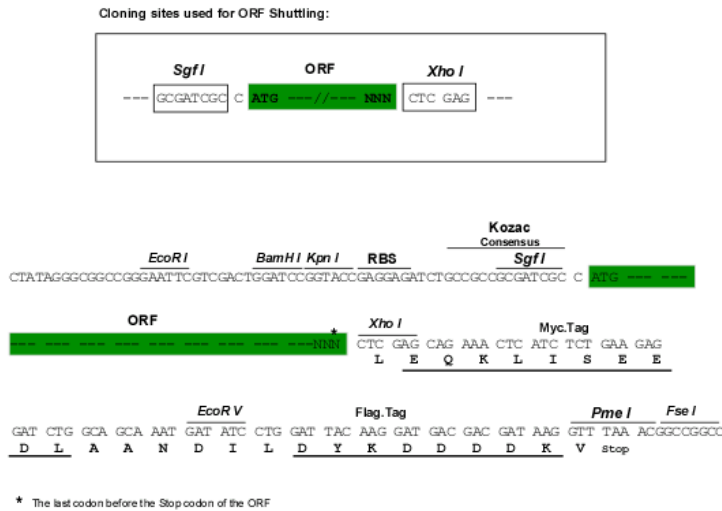
Protein Sequence: >MR212147 representing NM_020047
Red=Cloning site Green=Tags(s)

MARGLDLAPLLLLLLAMATRFCTAQSNCCTPTNKMTVCDTNGPGGVCQCGRAMGSQVLVDCSTLTSKLLL
 KARMSARKSGRSLVMPSEHAILDNDGLYDPECDDKGRFKARQCNQTSVCWCVNSVGVRRTDKGDQSLRCD
 EVVRTHHILIELRHRPTDRAFNHSDLDSELRRLLFQERYKLHPSFLSAVHYEPTIQIELRQNASQKGLRD
 VDIADAAYYFERDIKGESLFMGRRGLDVQVRGEPLHVERTLIYYLDEKPPQFSMKRLTAGVIAVIAVVS
 AVVAGVVVLVVTKRRRSGKYKKVELKELGEMRSEPSL

LEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-XhoI

Cloning Scheme:



ACCN: NM_020047

ORF Size: 951 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.

RefSeq: [NM_020047.3](#), [NP_064431.2](#)

RefSeq Size: 1764 bp

RefSeq ORF: 954 bp

Locus ID: 56753

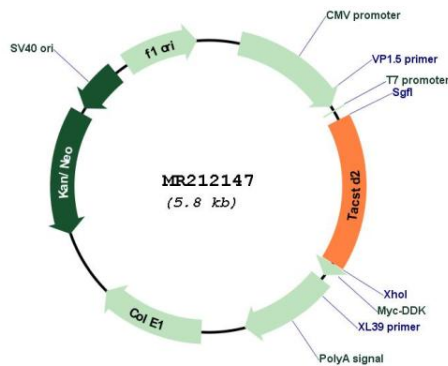
UniProt ID: [Q8BGV3](#)

Cytogenetics: 6 C1

MW: 36 kDa

Gene Summary: May function as a growth factor receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212147