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Product datasheet for MC213173

Styk1 (NM_172891) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Styk1 (NM_172891) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Styk1
Synonyms:	9130025L13; AI326477; Nok
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC213173 representing NM_172891
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAGAGAAGGGTCACCTGAGCCGGGTGTTGTTGGAATGCAGTCTCAGTGACAAGCTGTGTGTTGTCC
GAGAGAAGCAGTATGAAGTAATCATTGTTCCGGCTCTCCTGGTTGGCGGCTTTCTCATCCTTCTTGCAAT
CATCCTGTGGCTTTTTATCAGAGGACAGAGATCCCAAAGGCAGAGCCCTGGACCCCGAGGCACTGCCTCT
GTACCTGCATCTAGGGGCAGAAGCCAGGAGGCAGCAGGACATGGAGAAAAAGTACTTCTGCCTCTTAAGG
AGACCTCAGTGGAGGGCTTTCTGCGAGCGGCCACACCCCGCCTGGCTAAGCTGCAGGTGCCCAGGGAACA
GCTCTTGGAGGTTCTGGAGCAAATCCACAGTGGTAGTTGTGGGACCCTCTATCATGCAACAATGACCACC
AAGGATCACCCTAAGCCAAAAAGTGTGGTCCTTAAGGCTTTAGAAGATCCAGTTGGACTCCAGGAGGTCC
AGGATTTTATAGGACGAATCCAATTCTATCAGTACCTGGGGAAACACAAGAACCTGGTACAGCTGGAGGG
CTGCTGTACAGAAAGGCTGCCACTCTATATGATGCTGGAGGATGTGGTCCCAGGGGACCTGCTCAGCTTT
CTTTGGACCTGTCGAAGGGATGTGATGACCATGGATGGCCTGCTCTATGATCTCACAGAAAAACAAATAT
ATCACATTGGAAAGCAGATCCTTTTGGCCCTGGAATTCCTGCAGGAGAAGCACCTGTTTCATGGGGATGT
GGCTGCCAGGAACATCCTGATCCAAAGTGACCTGACTCCCAAACTTTGTCATCTGGGCCTGGCTTATGAA
GTTCATGCCCATGGGGCCATCTCCTCTGCTCGATCCAGCACCATCCCTCTCAAGTGGCTTGCTCCAGAAA
GGCTTCTCCTGAGACCTGCAAGCATCAGGGGAGATATTTGGTCCTTTGGGATCCTGCTTTATGAGATGGT
GACTCTAGGAGCACCACCATACCCTGAAGTCCCTCCCACCAGCATCCTACAATATCTTCAGAGAAAGAAA
ATCATGAAGAGACCCAGCAGCTGCTCACATGCCATGTACAACATCATGAAGTGCTGTTGGCGCTGGAGTG
AGGACAGCCGCCCCTTACTTGGTCAGCTGCTCCAGCGCCTAGAAGCTGCTTCTAGATCTGCCGATGACAA
GGCTGTGTTGCAAGTGCCAGAGTTGGTGGTGCCTGAACTGTATGCAGATGTGGCTGGCATCAGGGCAGAA
AGCATTTCCTATAGCTTCAGTGTCCTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172891

Insert Size: 1290 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_172891.2, NP_766479.1

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RefSeq Size:	3378 bp
RefSeq ORF:	1290 bp
Locus ID:	243659
UniProt ID:	Q6J9G1
Cytogenetics:	6 F3
Gene Summary:	Probable tyrosine protein-kinase, which has strong transforming capabilities on a variety of cell lines including NIH 3T3 fibroblasts and on athymic nude mice. When overexpressed, it can also induce tumor cell invasion as well as metastasis in distant organs. May act by activating both MAP kinase and phosphatidylinositol 3'-kinases (PI3K) pathways.[UniProtKB/Swiss-Prot Function]

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