

Product datasheet for **MG227128**

Nck2 (NM_010879) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nck2 (NM_010879) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nck2
Synonyms:	4833426I10Rik; Grb4; Nck-2; NCKbeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227128 representing NM_010879 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGAAGAAGTCATTGTCATAGCCAAGTGGGACTACACTGCCAGCAGGACCAGGAGCTCGACATCA
GGAAGAACGAGCGGTTGTGGCTGCTAGATGACTCCAAGACGTGGTGGCGGGTGAAGGAATGCTGCCAACAG
GACAGGCTACGTGCCTTCCAACATGTGGAGCGTAAGAACAGCCTGAAGAAGGGCTCCCTGGTGAAGAAC
CTCAAGGACACACTAGGCCTCGAAAGACGCGCAGGAAGCCAAGCGCTCGGGATGCTTCCCAACGCCAA
GCACTGATGCGGAGTACCCAGCCAATGGCAGCGGTGCTGACCGCATCTATGACCTCAACATCCCAGCCTT
TGTCAAGTTCGCCTACGTAGCAGAACGAGAGGATGAGCTGTCCCTGGTGAAGGGCTCCCGTGTACAGTT
ATGGAGAAATGCAGTGATGGCTGGTGGCGTGGCAGCTTCAACGGGCAGATCGGCTGGTCCCTCCAAC
ACGTTTTGGAGGAAGCGGACGAAGCTGCTGCTGAGGCCCCAGCTTCTGAGCCTACGTCGGGGCACTGC
ACTGAGCAATGGGAGGGTGCACGGGTGCTGCACGTGGTGCAGACGCTGTACCCCTCAGCTCGGTCAGT
GAGGAGGAGCTTAGTTTCGAGAAGGGGGAGACCATGGAGGTGATTGAGAAGCCGGAGAATGACCCTGAAT
GGTGGAAATGCAAAAATGCCCGAGGCCAAGTGGCCTGGTCCCCAAAACTACGTGGTTGTTCTCAGTGA
TGGCCTGCTCTGCACCCCGCTCACACCCCCAGATCAGCTACACCGGCCTTACGCCAGCGGGCGCTT
GCTGGTCGGGAGTGGTACTATGGCAACGTGACACGGCACCGGAGTGTGCGTCAATGAGCGGGCGG
TCGAGGGCGACTTCTCATTAGGGACAGCGAGTCTCGCCAGTACTTCCGTGTCTCTCAAAGCGTCA
AGGGAGAAAACAAGCACTTCAAGGTGCAGCTGGTGGACAGCGTCTACTGCATTGGGAGCGCGGTTCCAC
AGCATGGACGAGCTTGTGGAGCACTACAAGAAGGCCCCATCTTACCAGCGAGCACGGGAGAAGCTCT
ACCTTGTCCGAGCCCTACAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227128 representing NM_010879
 Red=Cloning site Green=Tags(s)

MTEEVIVIAKWDYTAQQDQELDIRKNERLWLLDDSKTWWRVNRNAANRTGYVPSNYVERKNSLKKGSLVKN
 LKDTLGLGKTRRKPSARDASPTPSTDAEYPANGSGADRIYDLNIPAFVKFAYVAEREDEL SLVKGSRTV
 MEKCSDGWWRGSFNGQIGWFPNSVYLEEADEAAAEAPSFLSLRRGTAL SNGQGARVLHVVTLYPFSSVT
 EEEL SFEKGETMEVIEKPENDPEWKKCKNARGQVGLVPKNYVVVLS DGPALHPAHTPQISYTGPSASGRF
 AGREWYYGNVTRHQAEALNERGVEGDFLIRDSESSPSDFSVSLKASGRNKHFKVQLVDSVYVICIGQRRFH
 SMDELVEHYKKAPIFTSEHGKLYLVRALQ

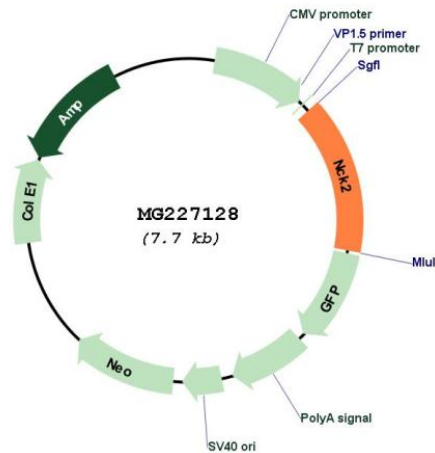
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010879

ORF Size:	1140 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_010879.3 , NP_035009.3
RefSeq Size:	2789 bp
RefSeq ORF:	1143 bp
Locus ID:	17974
UniProt ID:	O55033
Cytogenetics:	1 C1.1
Gene Summary:	Adapter protein which associates with tyrosine-phosphorylated growth factor receptors or their cellular substrates. Maintains low levels of EIF2S1 phosphorylation by promoting its dephosphorylation by PP1. Plays a role in ELK1-dependent transcriptional activation in response to activated Ras signaling (By similarity).[UniProtKB/Swiss-Prot Function]