

Product datasheet for **RG218600**

NEURL4 (NM_032442) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	NEURL4
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218600 representing NM_032442
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCAGGGTCGGGTGGGAGTGGGGGCTCTGGGGAGGCCCTGGACCGGGGCCGGGCGGGGTGGG
GCCCCAGCGGAGCGGCTCAGGACCGGGTCCAACGGGGTCTGGGAGCGCGGGGAATCGACCCGCG
CACTGGGCGCTTGGTGAGCCTGTGGCCTGTGGCGTACGGCGCGGCGGCAGCAGCCGGGCCAGGAGTTT
AACCACGGGCTGGTGTGAGCCGAGAACCCTTGCGCATGGACGCGTCTTCACCGTCCGCATCGACCGCA
AGGTCAACTCCTGGAGCGGCTCCATTGAGATTGGGGTACAGCGCTGGACCCAGTGTGCTGGACTTTCC
AAGCAGTGCCACGGGCTGAAGGGGGGCTCGTGGTAGTGTGGGCTGCTCTGTGCTGAGAGATGGACGC
TCTGTGTTGGAGGAGTATGGTCAGGACCTGGACCACTTGGTGAAGGGGACCGCTGGGCTGGAGCGCA
CAGTTGCTGGGAGCTTCGGCTCTGGGTGAATGGCGGGATTGCGGTGTGGCTGCCACAGGCCTGCCCCC
TCGTGTCTGGGCCGCTGTGGACCTTTATGGCAAGTGCACCCAGATCACCGTGTACCCCTGAGCCAGGC
TTCAGCCCCCTACTCCATCCCCACACCTCCCTCGAGCCCTTGCCCCCACTGAAGACTCTGCCTTGG
CTGAACAGGGGACCTCTGCAGATGAAGCCTTCATGGTGTCCCAGCGCAGGCCCGGCCGAGACGTTTCC
TAACAGCCTTGAGTCGCATAATGACTTTGCCAATGAGAGTGTCTGAGGTGGTGAAGCAACACCATCCTG
TCTGCCTACAATGGAGGGCTCCTGAATGTGAACCTGAGCTCCCCACCGCAGGGGAAGGCCTGGGATCTA
GCGGTGCTGCCACCTCGCCATTCTCACTTCCAACGATGCCCTGCTCTTTCATGAAAAGTGGGGACCCCT
CATCAAACTCAGCAACAATAAAGACGGCTGAGCGCCGGCGGCCCTGGATGAATTCACAATGGGGTT
GTCATGACCAATCGCCCCCTTCGGGACAATGAGATGTTTGAGATCCGTATCGACAAGCTTGTGATAAGT
GGTCAGGCTCCATTGAGATTGGGGTACCACCCACAACCCCAACAGTTTGGAGTACCCAGCCACCATGAC
CAACCTCCAGTCAGGCACCATCATGATGAGCGGCTGTGGAATCCTGACCAATGGCAAGGGCACCCGCGG
GAGTACTGCGAATTCAGTCTGGATGAGTTGCAGGAGGGTGACCACATTGGCCTCACAAGGAAGTCCAAC
CTGCCCTACACTTCTTCAATATGGTATCGATCAGGGAGTGGAACCCCTTGACGCCCCAGTGGTGTA
TGGTGTGGTGACTTGTACGGGATGGCAGTGAAGGTGACCATCGTCCACAATAACAACCACAGTGACCGT
CTCCGCCGAAACAACGCCATCCTGCGGGCGCTGTCCCCGAGGGTGCTCTCCGCCGTGCTGCCCTGCCG
CCAGGCAGAACCTGAGCGCTGCTCTTCCACCCCAACTGTGGGCAGAAAGGCAGCCATCACCCACGAGGG
ACGCACTGCCCTGAGGCCCATGCCACCGATGACTTCAATACGGCGTGGTGTGAGCAGCAGAGCCCTG



CGGGATGGAGAGGTGTTCCAGGTGCGCATCGACAAGATGGTGGACAAATGGGCTGGCTCCATTGAAATTG
GTGTCACCAACCAACCTGCCTACCTCCAGTTGCCCTCCACCATGACCAACTTGCCTCTGGGACCTG
GATGATGACTGGGAATGGGGTATGCACAATGGGACGACCATCCTGGATGAATACGGGCACAATCTGGAC
CGCCTCAAGGCAGGGGACACGGTGGGCTGGTACGGCGGGAGGACGGGACTCTCCACTTCTTTGTCAATG
GGATGACTCAGGGCCCTGCTGCTGGAACGTGCCCCGGGCGTCTATGCTGTCGTCGATCTCTATGGCCA
GGCGGGCCAGGCCACCATTTGTGGACGACGTGGAGGTGGCTCCAGTTCCTGAACCACTCCCTGAGGGGAAC
AACCAGGTGTCTCAAGCTCTCCGTCTCAGGGGCCGGGGCTCTGACCTGCGCTTCCATCAGTGCACG
GCAGTAACGCAGTCATCACTAACGGGGGCCGACCGCCCTCCGCCACAACCTGTCGCACGCGAGTTTAAATGA
CGCCATCGTCATCTCCAACCGGGCCCTGCGGGATGGAGAGCTGTTTGAAATTGTCATTCAAGAGATGGTG
GACCGCTGGTCAGGCTCCATTGAGGCTGGAGTGACTGCTATTGCGCTGAAGACCTGGAATCCCCAACA
CCATGACAGACATTGACTATGACACATGGATGCTGAGTGGTACAGCCATCATGCAAGACGGTAACACGAT
GGCAACAATTATGGGTGTGACCTGGATGCGCTGGGCACAGGTGCACGCATTGGCATGATGCGAACTGCC
AAGGGCGACCTGCACTACTTCATCAACGGCCAGGACCAAGGCGCTGCCTGCTCGGGCCTGCCTCCGGGT
AAGAGGTGTATGCGGTAGTCGATCTCTATGGCCAGTGTGTCCAAGTGTCCATCACCATGCCACCGGCC
CATGGACAACAGCCTGGCGACCAGCAACACTGCCACCGAGAAGTCTTCCCACTGCACTCCCAAGTGGCT
GGCGTGGCTCACCATTCCACAGTACTTGCGGCAAGAACGTCACTCTAGAGGAGGATGGCAGGAGGCGAG
TGCGTGCCGCTGGCTATGCTCATGGCCTTGTCTTCAGTACCAAGGAGCTGAGGGCTGAGGAAGTCTTTGA
GGTGAAAGTGAAGAGCTAGATGAGAAGTGGGACAGTTCCTGCGGCTGGGGCTGACCACACTAGCACCG
GGGGAGATGGGACCCGGGCGAGGCGGTGGTGGCCAGGGCTGCCTCCTTCCCTGCCAGAGCTCCGGACGA
AGACCACTTGGATGGTATCCAGCTGTGAAGTGAAGCGTGTGAGGCGTGTGAGGAGCTCCAGAGGATGAACATATGGCCG
GAACCTAGAGAGGCTGGGGTGGGGAGCCGTGTGGGTGTTGCTCGGGGGCAGATGACACGATGCACATC
CTGGTGGATGGAGAGGATATGGGGCTGCAGCCACTGGCATTGCCAAGAACGTGTGGGCTGTGTTGGATC
TCTACGGGCCAGTCCGCGGTGTGTCAATTGTGCTTCCACGAGACTGGAGGAGTCAAGAGCACCAGCC
TCTTCCCCCAGTTTCAGACACCGGCAGTGAGGGCGAGGAGGATGACGAGGGCGAGGAGCATGGCTGGGA
GGCCAGAATGAAGTGGGTATTATACCCACCACCCTCGAGTTCCTGGAGAACCATGGGAAGAATATCCTTT
TGTCTAATGGGAACCGTACGGCCACACGGGTGGCCAGCTACAATCAGGGCATCGTTGTCTCAACCAACC
TCTGGTGCCCGAGCTGCTGGTGCAGGTGCGGATAGATTTCTAAACCGACAGTGGACATCTTCCCTTGT
CTGGGAGTCATCACCTGCGCGCTGAGAGGCTCAACTTCCCTGCTTCTGCTGTGCCCTCAAACGGGCGAG
CCTGGCTGCTGCGGGGCGTGGGGTCTTCCACAACGGTCTCAAGATCTGCGAGAAGTTTGGGCCAATCT
GGACACGTGCCCTGAAGGCACCATCTGGGACTGCGGCTGGACAGCTCTGGGGGCTGCATCTTCATGTT
AATGGGGTGGACAGGGGTAGCTGTGCCAGATGTGCCCCAGCCCTGCCATGCGCTTGTGGACCTCTATG
GGCAGTGTGAGCAGGTGACAATCGTGAACCTGAGCCAGGGGCTGCCAGTGGGAAAAGTGTGGAACCCA
AGGGGACATGGAGAAAGCAGACATGGTGGACGGTATCAAGAGAGTGTGTGCTGGGGTCCACCACCTGCC
GCTAGTCCTCTAAGAGCTGCGAGTACCATGCCCTTTGCTCTCGCTTCCAAGAACTCCTGCTGCTTCCCG
AAGATTATTTATGCCTCCGCCAAAGCGAAGCCTGTGCTACTGTGAGTCTTGCCGGAAGCTGCGAGGAGA
CGAGGGCCACAGGCGCAGAGGGGAGCCTCCCCGGGAATATGCACTGCCCTTTGGCTGGTGCAGGTTCAAC
CTCAGAGTGAATCCCCGCTGGAGGCTGGGACACTAACCAAGAAGTGGCACATGGCATATCACGGGAGCA
ATGTTGCCGCTGTACGGAGAGTGTGGACCGAGGGGAGCTGGGAGCAGGTAAGTGCCTCCATCCTGAGCTG
CCGTCTTTGAAGGGAGAACCCTGGGGTAGGGTTCGAGGAGCCTGGCGAGAACTGTGCACCTCCTCGGGAG
GAGCAGCCCCCTCTGTGCTGCTTTCCCCCTCCCTTCAATATGCTGGGGCGAGACCTGGCTCCAAAG
TGCAATTCCGGGACCCCAATCCCAGCGGACGCACAGGCTCAGGTGGCGTTCCAGGTGTGTGTGCGCCC
TGGCTCCTACACCCCGGACCCCTTCCGCTGCCCTTGAGAACCTCCTGACCTCACTTCACTCAGTCCAGCC
GAACCTGAGTGGGTCACTAAGGAGAAGGGGCCACACTCCTCTGTGCCCTGCTGGTACGGGTGAA

AGCGGACCGACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG218600 representing NM_032442

Red=Cloning site Green=Tags(s)

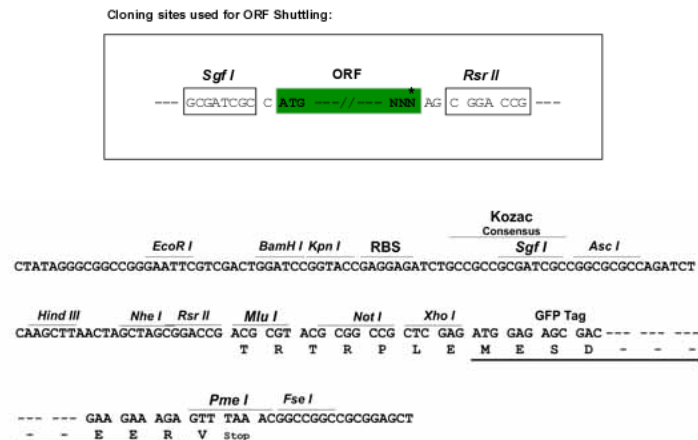
MAAGSGSGSGSGGPGPGPGGGGPGSGSGSGPGSNGGLSGSGGELHPRTGRLVLSACGRTARRQQPGQEF
NHGLVLSREPLRDGRVFTVRIDRKVNSWSGSIEIGVTALDPSVLDPSATGLKGSWVVSVCVLRDGR
SVLEEVQDLDQLGEGDRVGVTVAGELRLVWNGRDCGVAATGLPPRVAVVDLYGKCTQITVLPPEPG
FSPPTPIPTPPEPLAPTEDSALAEQGSADAFMVSPAQARPETFPNSLESHNDFANMELSEVVSNTIL
SAYNGLLNVNLSPPAGEGLGSSGAATSPILTSNDALLFHEKCGTLIKLSNNNKAERRRPLDEFNNGV
VMTNRPLRDNEMFEIRIDKLVDKWSGSIEIGVTTHNPNSLEYPATMTNLQSGTIMMSGCGILTNKGTRR
EYCEFSLDELQEGDHIGLTRKSNSALHFFINGIDQGVATPLTPPVVYGVVDLYGMAVKVTIVHNNHSDR
LRRNNAILRALSPGALRRAAPAAQAEPERLLFHPNCGQKAAITHEGRTALRPHATDDFNHGVVLSRRL
RDGEVFQVRIDKMVDKWAGSIEIGVTTHNPAYLQLPSTMTNLRSGTWMMTGNGVMHNGTTILDEYGHNL
RLKAGDTVGVRREDGTLHFFVNGMTQGPAAWNVPPGVYAVVDLYGQAAQATIVDDVEVAPVPELPEGN
NQVSPSSPGAGGSDLRHQLHGSNAVITNGGRTALRHNCSEFNDAIVISNRALRDGELFEIVIQKMV
DRWSGSIEAGVTAIRPEDLEFPNTMTDIDYDTWMLSGTAIMQDGNMTRNNYGCDDLALGTGARIGMMRTA
KGDLYHFINGQDQGAACSGLPPGKEYAVVDLYGQCVQVSI TNATGPMDNSLATSNTATEKSFPLHSPVA
GVAHRFHSTCGKNVTLEEDGTRAVRAAGYAHGLVFSTKELRAEEVFVKVEELDEKWAGSLRLGLTTLAP
GEMGPGAGGGGPGPLPSPPELRTKTTWMVSSCEVRRDQQLQRMNYGRNLERLGVGSRVGVRRGADDTMHI
LVDGEDMGPAAATGIAKNVWAVLDLYGPRVGSIVSSTRLEESEGTQPPSPSSDTGSEGEEDDEGEEHGLG
GQNEVGIIPTTLEFLENHGKNILLNNGNRTATRVASYNQGI VVINQPLVPQLLVQVRIDFLNRQWTSSLV
LGVITCAPERLNFASACALKRAAWLLRGRGVFHNLKICEKFGPNLDTCEGTILGLRLDSSGGLHLHV
NGVDQGVAVPDVPQCHALVDLYGQCEQVTIVNPEPGAASGKSAGTQGDMEKADMVDGIKESVCWGPPPA
ASPLKSCEYHALCSRFQELLLLPEDYFMPPPKRSLCYCESCRKLRGDEAHRRRRGEPPREYALPFGWCRFN
LRVNPRL EAGTLTKKWHMAYHGSNVAARRVLDRGELGAGTASILSCRPLKGEPPGVGFEEPGENCAPPRE
EQPPPVLSPSLQYAGAETLASKVQFRDPKSQRTHQAQVAFQVCVRPGSYTPGPPSAALGEPDPHFSPA
ELEWVTKEKGATLLCALLVRVE

SGPTRRRLE - GFP Tag - V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN:

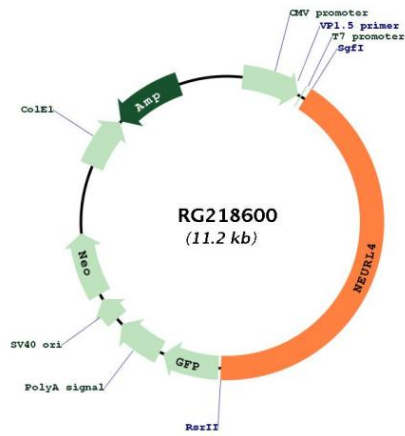
NM_032442

ORF Size:

4686 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_032442.3
RefSeq Size:	5217 bp
RefSeq ORF:	4689 bp
Locus ID:	84461
UniProt ID:	Q96JN8
Cytogenetics:	17p13.1
Gene Summary:	The protein encoded by this gene is predicted and it includes two isoforms resulting from two alternatively spliced transcript variants. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218600