OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC308003

NRP2 (NM_201266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NRP2 (NM_201266) Human Untagged Clone
Tag:	Tag Free
Symbol:	NRP2
Synonyms:	NP2; NPN2; PRO2714; VEGF165R2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Fully Sequenced ORF:

>SC308003 representing NM_201266.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATATGTTTCCTCTCACCTGGGTTTTCTTAGCCCTCTACTTTTCAAGACACCAAGTGAGAGGCCAA
CCAGACCCACCGTGCGGAGGTCGTTTGAATTCCAAAGATGCTGGCTATATCACCTCTCCCGGTTACCCC
CAGGACTACCCCTCCCACCAGAACTGCGAGTGGATTGTTTACGCCCCCGAACCCAACCAGAAGATTGTC
CTCAACTTCAACCCTCACTTTGAAATCGAGAAGCACGACTGCAAGTATGACTTTATCGAGATTCGGGAT
GGGGACAGTGAATCCGCAGACCTCCTGGGCAAACACTGTGGGAACATCGCCCCGCCCACCATCATCTCC
TCGGGCTCCATGCTCTACATCAAGTTCACCTCCGACTACGCCCGGCAGGGGGCAGGCTTCTCTCTGCGC
TACGAGATCTTCAAGACAGGCTCTGAAGATTGCTCAAAAAACTTCACAAGCCCCAACGGGACCATCGAA
TCTCCTGGGTTTCCTGAGAAGTATCCACACAACTTGGACTGCACCTTTACCATCCTGGCCAAACCCAAG
ATGGAGATCATCCTGCAGTTCCTGATCTTTGACCTGGAGCATGACCCTTTGCAGGTGGGAGAGGGGGAC
TGCAAGTACGATTGGCTGGACATCTGGGATGGCATTCCACATGTTGGCCCCCTGATTGGCAAGTACTGT
GGGACCAAAACACCCTCTGAACTTCGTTCATCGACGGGGATCCTCTCCCTGACCTTTCACACGGACATG
GCGGTGGCCAAGGATGGCTTCTCTGCGCGTTACTACCTGGTCCACCAAGAGCCACTAGAGAACTTTCAG
TGCAATGTTCCTCTGGGCATGGAGTCTGGCCGGATTGCTAATGAACAGATCAGTGCCTCATCTACCTAC
TCTGATGGGAGGTGGACCCCTCAACAAAGCCGGCTCCATGGTGATGACAATGGCTGGACCCCCAACTTG
GATTCCAACAAGGAGTATCTCCAGGTGGACCTGCGCTTTTTAACCATGCTCACGGCCATCGCAACACAG
GGAGCGATTTCCAGGGAAACACAGAATGGCTACTATGTCAAATCCTACAAGCTGGAAGTCAGCACTAAT
GGAGAGGACTGGATGGTGTACCGGCATGGCAAAAACCACAAGGTATTTCAAGCCAACAACGATGCAACT
GAGGTGGTTCTGAACAAGCTCCACGCTCCACTGCTGACAAGGTTTGTTAGAATCCGCCCTCAGACCTGG
CACTCAGGTATCGCCCTCCGGCTGGAGCTCTTCGGCTGCCGGGTCACAGATGCTCCCTGCTCCAACATG
CTGGGGATGCTCTCAGGCCTCATTGCAGACTCCCAGATCTCCGCCTCTTCCACCCAGGAATACCTCTGG
AGCCCCAGTGCAGCCCGCCTGGTCAGCAGCCGCTCGGGCTGGTTCCCTCGAATCCCTCAGGCCCAGCCC
GGTGAGGAGTGGCTTCAGGTAGATCTGGGAACACCCAAGACAGTGAAAGGTGTCATCATCCAGGGAGCC
CGCGGAGGAGACAGTATCACTGCTGTGGAAGCCAGAGCATTTGTGCGCAAGTTCAAAGTCTCCTACAGC
CTAAACGGCAAGGACTGGGAATACATTCAGGACCCCAGGACCCAGCAGCCAAAGCTGTTCGAAGGGAAC
ATGCACTATGACACCCCTGACATCCGAAGGTTTGACCCCATTCCGGCACAGTATGTGCGGGTATACCCG
GAGAGGTGGTCGCCGGCGGGGATTGGGATGCGGCTGGAGGTGCTGGGCTGTGACTGGACAGACTCCAAG
CCCACGGTAGAGACGCTGGGACCCACTGTGAAGAGCGAAGAGACAACCACCCCCTACCCCACCGAAGAG
GAGGCCACAGAGTGTGGGGAGAACTGCAGCTTTGAGGATGACAAAGATTTGCAGCTCCCTTCGGGATTC
AATTGCAACTTCGATTTCCTCGAGGAGCCCTGTGGTTGGATGTATGACCATGCCAAGTGGCTCCGGACC
ACCTGGGCCAGCAGCTCCAGCCCAAACGACCGGACGTTTCCAGATGACAGGAATTTCTTGCGGCTGCAG
AGTGACAGCCAGAGAGAGGGCCAGTATGCCCGGCTCATCAGCCCCCCTGTCCACCTGCCCCGAAGCCCG
GTGTGCATGGAGTTCCAGTACCAGGCCACGGGCGGCCGCGGGGTGGCGCTGCAGGTGGTGCGGGAAGCC
AGCCAGGAGAGCAAGTTGCTGTGGGTCATCCGTGAGGACCAGGGCGGCGAGTGGAAGCACGGGCGGATC
ATCCTGCCCAGCTACGACATGGAGTACCAGATTGTGTTCGAGGGAGTGATAGGGAAAGGACGTTCCGGA
GAGATTGCCATTGATGACATTCGGATAAGCACTGATGTCCCACTGGAGAACTGCATGGAACCCATCTCG
GCTTTTGCAGGTGAGAATTTTAAAGTGGACATCCCAGAAATACATGAGAGAGAAGGATATGAAGATGAA
ATTGATGATGAATACGAGGTGGACTGGAGCAATTCTTCTTCTGCAACCTCAGGGTCTGGCGCCCCCTCG
ACCGACAAAGAAAAGAGCTGGCTGTACACCCTGGATCCCATCCTCATCACCATCATCGCCATGAGCTCA
CTGGGCGTCCTCCTGGGGGCCACCTGTGCAGGCCTCCTGCTCTACTGCACCTGTTCCTACTCGGGCCTG
AGCTCCCGAAGCTGCACCACACTGGAGAACTACAACTTCGAGCTCTACGATGGCCTTAAGCACAAGGTC
AAGATGAACCACCAAAAGTGCTGCTCCGAGGCATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_201266

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Insert Size:	2796 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_201266.1
RefSeq Size:	6671 bp
RefSeq ORF:	2796 bp
Locus ID:	8828
UniProt ID:	O60462
Cytogenetics:	2q33.3
Protein Families:	Druggable Genome, Transmembrane
MW:	104.8 kDa
Gene Summary:	This gene encodes a member of the neuropilin family of receptor proteins. The encoded transmembrane protein binds to SEMA3C protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C} and SEMA3F protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F}, and interacts with vascular endothelial growth factor (VEGF). This protein may play a role in cardiovascular development, axon guidance, and tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1), also known as NRP2a(22), represents the longest transcript, and encodes the longest isoform (1).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US