

Product datasheet for **RG224596**

Netrin 4 (NTN4) (NM_021229) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Netrin 4 (NTN4) (NM_021229) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Netrin 4
Synonyms:	PRO3091
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



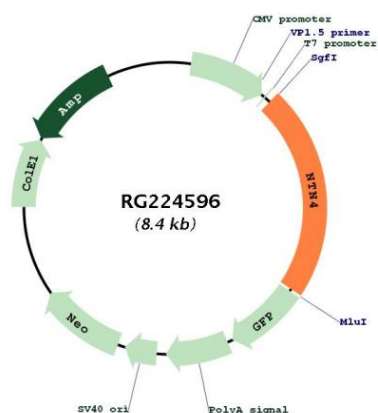
ACCN:	NM_021229
ORF Size:	1884 bp



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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_021229.2 , NP_067052.1
RefSeq Size:	3607 bp
RefSeq ORF:	1887 bp
Locus ID:	59277
UniProt ID:	Q9HB63
Cytogenetics:	12q22
Domains:	NTR, EGF_Lam, laminin_Nterm
Protein Families:	Transmembrane
Protein Pathways:	Axon guidance
Gene Summary:	This gene encodes a member of the netrin family of proteins, which function in various biological processes including axon guidance, tumorigenesis, and angiogenesis. Netrins are laminin-related proteins that have an N-terminal laminin-type domain, epidermal growth factor-like repeat domain, and a positively charged heparin-binding domain at the C-terminus. The protein encoded by this gene is involved in processes including neurite growth and migration, angiogenesis and mural cell adhesion to endothelial cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RG224596