

Product datasheet for **RG209113**

TEPSIN (NM_144679) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEPSIN (NM_144679) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TEPSIN
Synonyms:	C17orf56; ENTHD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG209113 representing NM_144679
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCCGCGCCGCCCTACGGGACCGCTGAGCTTTCTACACCGGCTCCCGATTCTCCTGAAGGGA
 CGTCCGATGATGATGTCCCGTGTCCGGGTACCTGTTGAAGAGATTGCTAAAATCTCCCACGAGTCTCC
 GGGCAGCAGCCAGTGCCTGCTGGAGTACCTCCTGAGCCGCTGCACAGCAGCTCCGGCCACGGAAGCTC
 AAGGTGCTGAAGATCCTGCTCTATCTGTGCAGCCACGGCTCCTCCTTCTCCTGCTCATCTCAAACGCA
 ACTCTGCCTTCCAGGAAGCTGCAGCTTTTGCAGGGCCCCAGATCCTCTGCACGGGAACAGCTTGTA
 CCAGAAGTTCGCGCGGCCGCGCAGGACTTGGGGAGCACCTGTTCTCGGACACCGTGTGGCCGTGGCT
 CCCTCCAGCCTCTGGGACCCCGCTGCCACAGGCATGGGCTCCAGGCCAGGCCGCACAGCACCTCC
 AGGTTTTCGGCTACAGCAAGGAACCGGCCGACGGCTGTGAGGCATCAGCTGGCAGGCCGAGGGGG
 CTGGGATGAGCTGGACAGCGGCCAGCTCTCAGAATTCCTCCAGAACAGTGACCTGAGCAGGGTCTCG
 GACTCGGGCAGTATTCCGGCAGCGACAGCCATTCAGGGGCCAGCCGGGAGCCGGGTGACCTGGCAGAAA
 GGGTCGAGGTGGTGGCCCTGAGTACTGTGACGAGGAGTTGAGCTTGGTGGAGACTGTGACTCGGGGACC
 ACGCGCTTCTGAGCCGCGAGGAGGCACAGCACTTCAAAAGCGTGTGGACTGCTCAACTGTGAGGCC
 GTGCTGCAGCTGCTGACCTGCCACCTGCGTGGGACAGTGAATGCACGCAGCTGAGGGCGCTGTGTGCCA
 TCGCTCCTGGGGAGCAGCGACCTCCTCCCCAGGAGCACATCCTCCTCCGACCCGGCCGTGGCTGCA
 GGAGCTCAGCATGGGCAGCCCGGACCTGTGACCAACAAGGCCACCAAGATCCTGAGGCACTTTGAGGCC
 TCCTGTGGCAGCTGTCCCTGCCCGGGCACCTCAGCTGAGCCTGGCCCCACAGCCGCCCTCCAGGCC
 CATCTGACCTGCTGACCGACGCTGTGCCCTCCTCCTGGGAGCCAGTCTTCTGACGCTCTGAGTTCAAC
 CCGGTTCTCGTCCCGGAGCCCTGCTCCCTCATCTGGGATGCCGTCCAGCCCTGTGCCACCCACCCCA
 GATGCCTCCCCATTCCAGCCCCGAGACCCAGCGAGGCCAGGCCAGACTGGCAGAAAAGAGCCGT
 GGAGACTGAACGGATCCAGGGGGCACGGACAGCCAAAGAGAGGCCCCAGCAGCTGTGCTGGAGCCG
 CGACTCCTGTTTGTGGCATGGAGCTGGTGGCTGTCCCGCCTGGTGGGGGCTGGGGTGTGCGGGA
 GAGTCTGTCTGATGCTCCCGCGCCCCAAACATCGTCCAGAGGACAGCAGCCAAAGAGCCTCCTG
 GCTCAGAGCCGTCAGCTTTCGCTTCTGAACGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG209113 representing NM_144679
 Red=Cloning site Green=Tags(s)

MAAAPPLRDRLSFLHRLPILLKGTSDDDVPCPGYL FEEIAKISHESPGSSQCLLEYLLSRLHSSSGHGKL
 KVLKILLYLCSHGSSFFLLILKRNSAFIQEAAAFAGPPDPLHGNSLYQKVRAAAQDLGSTLFSDTVPLA
 PSQPLGTPPATMGQSARPHSTLQGFYKSEHGRTAVRHQPGQAGGWDELDSGPSSQNSQNSDLRVS
 DSGSHSGSDSHSGASREPGDLAERVEVVALSDCQQELSLVRTVTRGPRAFLSREEAQHF IKACGLLNCEA
 VLQLLTCHLRGTSECTQLRALCAIASLGSSDLLPQEHILLRTRPWLQELSMGSPGPVTNKATKILRHFEA
 SCGQLSPARGTSAEPGPTAALPGPSDLLTDAVPLPGSQVFLQPLSSTPVSSRSPAPSSGMPSSPVPTPPP
 DASPIAPGDPSEAEARLAEARRWRPERIPGGTDSPKRGPSSCAWSRDSLFAGMELVACPRLVGAGAAAG
 ESCPDAPRAPQTSSQRTAAKEPPGSEPSAFAFLNA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_144679

ORF Size: 1575 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.

RefSeq: [NM_144679.1](#), [NP_653280.1](#)

RefSeq Size: 2308 bp

RefSeq ORF: 1578 bp

Locus ID: 146705

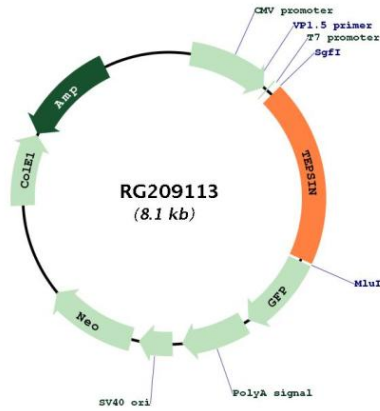
UniProt ID: [Q96N21](#)

Cytogenetics: 17q25.3

Gene Summary:

Associates with the adapter-like complex 4 (AP-4) and may therefore play a role in vesicular trafficking of proteins at the trans-Golgi network.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209113