

Product datasheet for **RN216927**

Tepsin (NM_001100729) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tepsin (NM_001100729) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tepsin
Synonyms:	Enthd2; RGD1307410
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216927 representing NM_001100729
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCAGCCGTTCCGCCGCTGCGAGACCGCTTGAGCTTTCTACATAGGCTCCCCATTCTGTTGAAGGGGA
 CCTCAGATGATGACATCCCATGCCAGGCTACCTGTTTGAAGAGATTGCCAAGATTTCCACGAGTCACT
 GGGCAGCAGCCAGTGCCTGCTGGAGTACCTCCTGAACCGCTGGACAGTAGCTCTGGCCACGTGAAGCTC
 AAGGTGCTGAAGATCTTGCTTTACCTGTGCAGTCACGGCTCTTCCTCATGCTCATCTTAGGAGAA
 ACTCTGCTCTCATCAAGAAGCCACAGCTTTCCGGGGGCTCCGGATCCTTTCATGGAAATAGCTTGTA
 CCAGAAAGTGCGGGCGCTGCCAGGACCTGGGTAGCACCTCTCTCAGACGCACTGCCACAGCCTCCC
 TCCAGCCGCCCAGATCCTGCCTCCTGCAGGCATGGGCGCCAGGCCAGGCCTCATAGTCTCTACAAG
 GCTTCGGTTATACTAAGGAGAGCAGCCGGACAGGCTCTGCAGGTGAAACCTTCTCTCCACCATCCAGAG
 GGCCGCAGAGGTAGTGGTGAATGCTGTGCGTCTGGGCTGATAATCCTTGTACCAAGGGACCCCTGCCA
 CACGGTATGCCTACCAGCCTGCAGTGACACCTTCAGCTAGCCACACATCCCAACCCCGGAATCTCC
 TCCTGCGGTATCCAGGGGACCAGAGCTGTGAAACACCAGCCCGGCGAGGCTGGAGGAGGCTGGGATGA
 GATGGACAGCAGTCTAGTTCCAGAATTCCTCCTGTACCAGCAACCTGAGCAGGGCCTCAGACTCAGTC
 AGTCGGTCTGGCAGTGATAGCCACTCTGGTGCCAGCCGGGAGCCAGGCGACCTGGCAGAGAGGGCTGAGG
 GCATGGCCCCAAATGACTGCCAGCAAGAACTGAATCTAGTGAGGACTGTGACACAGGGGCCACGTGTCTT
 CCTGAGCCGTGAGGAGACGCAGCACTTCATCAAGAGTGCGGCCCTGCTCAACTGTGAGGCTGTGCTGGAG
 CTGCTCCTCCAGCAGTGGTCGGGACCAGTGAGTGTGAGCAGATGAGGGCACTGTGTCCATAGCGTCTCT
 TTGGAAGTGCTGACCTCCTTCTCAGGAGCACATTCTCCTCCTGTGCCGACAGCAGCTGCAGGAACCTTGG
 TGCAGGCAGCCCTGGGCTGTGACCAACAAAGCCACCAAGATCCTGAGACACTTGAAGCCCTCCTGTGGA
 CAACAGTTCCCTACCCTAAGGCCCTGTGCCAGCCCAACTCTGCAGCTGCTGTTGTGGGCCAGCTGATC
 TGCTGACCAGCCCTGTGCCTCCCCCTGGGAGCCAACTCTCCTCCAGCCTCTAGTTCCACCGCAGTTGT
 GCCCAGGAGTCTGTGCCACTCCATCTCCAGATACCTTACCTCCTGCTCTGCAGGATCCCGGTGAGCTC
 AGAACCCAATTGGTATGTTCTAGTGAACAGGGACAGGATCTGAACAGAGGCTGGAGAACACAGACCCC
 CAAAGGATAGTCCAGTCCGTGTCCGTGGAGCCCCAACTCTCTGTTTGTGGCATGGAGCTGGTAGCTTG
 CACCCGCCTGCCCTGCCCAGCTTCCAGGCAGATTTGCAGAAGGTGACCACAGAGCCTCCAGTTTCAGAG
 CCATCCGCTTTTGCAATTTTAAACATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001100729

Insert Size: 1710 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: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001100729.1, NP_001094199.1</u>
RefSeq Size:	2801 bp
RefSeq ORF:	1710 bp
Locus ID:	360673
UniProt ID:	<u>G3V8Y7</u>
Cytogenetics:	10q32.3
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]