

Product datasheet for **SC126637**

TMEFF1 (NM_003692) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEFF1 (NM_003692) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEFF1
Synonyms:	C9orf2; CT120.1; H7365; TR-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126637 sequence for NM_003692 edited (data generated by NextGen Sequencing)

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ATGGGCGCCGCGAGCCGCTGAGGCGCCGCTCCGGCTGCCTGCCGCGCTCCGCTCGCCTTC
TGCTGCTACACGTCGGTCTTCTGCTCTTCGCCTTCTCTCTGCCCGGAGCCGCGCTCC
AACCAGCCCCCGGTGGTGGCGCGGCAGCGCGGGGACTGTCCCGCGGCAAAGGCAAG
AGCATCAACTGCTCAGAATTAATGTGAGGGAGTCTGACGTAAGAGTTTGTGATGAGTCA
TCATGTAAATATGGAGGAGTCTGTAAAGAAGATGGAGATGGTTTGAATGTGCATGCCAA
TTTCAGTGCCATACAAATATATTCCTGTCTGTGGATCAAATGGGGACACTTATCAAAAT
GAATGCTTTCTCAGAAGGGCTGCTTGTAAAGCACCAGAAAGAGATAACAGTAATAGCAAGA
GGACCATGCTACTCTGATAATGGATCTGGATCTGGAGAAGGAGAAGGAAGGGTCAGGG
GCAGAAGTTCACAGAAAACACTCCAAGTGTGGACCCTGCAAATATAAAGCTGAGTGTGAT
GAAGATGCAGAAAATGTTGGGTGTGTATGTAATATAGATTGCAGTGGATACAGTTTTAAT
CCTGTGTGTGCTTCTGATGGGAGTTCCTATAACAATCCCTGTTTTGTTCCGAGAAGCATCT
TGTATAAAGCAAGAACAATTTGATATAAGGCATCTTGGTCATTGCACAGATACAGATGAC
ACTAGTTTGTGGGAAAGAAAGATGATGGACTACAATATCGACCAGATGTGAAAGATGCT
AGTGATCAAAGAGAAGATGTTTATATTGGAAACCATGCCTTGCCCTGAAAACCTCAAT
GGTTACTGCATCCATGGAAAATGTGAATTCATCTATTCTACTCAGAAGGCTTCTTGTA
TGTGAATCTGGCTACACTGGACAGCACTGTGAAAAGACAGACTTTAGTATTCTCTATGTA
GTGCCAAGTAGGCAAAAAGCTCACTCATGTTCTTATTGCAGCAATTATTGGAGCTGTACAG
ATTGCCATCATAGTAGCAATTGTAATGTGCATAACAAGAAAATGCCCAAAAACAATAGA
GGACGTCGACAGAAGCAAAACCTAGGTCATTTTACTTCAGATACGTCATCCAGAATGGTT
TAA

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Clone variation with respect to NM_003692.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003692 unedited TTGTAATACGACCTCACTATAGGGCGGCCGGAATTCGCACGAGGGGCACCAGTCATGGG CGCCGCAGCCGCTGAGGCGCCGCTCCGGCTGCCTGCCGCGCTCCGCTCGCCTTCTGCTG CTACACGTCGGTGCTTCTGCTCTTCGCCTTCTCTCTGCCCGGGAGCCGCGCTCCAACCA GCCCCCGGTGGTGGCGCGGCAGCGCGGGGACTGTCCCGCGGCAAAGGCAAGAGCAT CAACTGCTCAGAATTAATGTGAGGGAGTCTGACGTAAGAGTTTGTGATGAGTCATCATG TAAATATGGAGGAGTCTGTAAGAAGATGGAGATGGTTTGAATGTGCATGCCAATTTCA GTGCCATACAAATTATATTCCTGTCTGTGGATCAAATGGGGACACTTATCAAATGAATG CTTTCTCAGAAGGGCTGCTTGTAAACACCANAAAGAGATAACAGTAATAGCAAGAGGACC ATGCTACTCTGATNATGGATCTGGATCTGGAGAAGGAGAAGAGGAAGGGTCAGGGGCAGA AGTTCACAGAAAACACTCCAAGTGTGGACCCTGCAAAATAAAAGCTGAGTGTGATGAAGA TGCAGAAAATGTTGGGTGTGATGTAATATAGATTGCAGTGGATACAGTTTTAATCTGT GTGTGCTTCTGATGGGAGTTCCTATAACAATCCCTTTTTGNTCGAGAAGCATCTGTAT AAAGCAAGAACAAATTGATATAAGGCATCCTTGGCCATTGCACAGATACAGATGACACTA ATTTTGTGGAAAGAAAGATGATGGACTACCATATCNACCAGATGTGAAAGATGCTAGT GATCAAAGAGGAAGATTTATATTGGAAACCCATGCCTGCCCTGAAAACCAATGGTAC TGCTCCATGGAAGGATTTCTTATTCTACTAGAG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003692 unedited TATGGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTATAGG GAAAACATTATATTATAACATGCTTTTCCAAACAAAATATTAATAATTTTTTAAC ATATTCTTTAAATCTACATGCACTTTTGAATATCTAACTACATGTTAAACAGCTGA ATACATTCTACTCACACTTCAGATCTTTAAACACCAACAATCTATGAATATTAATCTATT ACTACAGGACAAAATTTGGATATACGTCTTGGATAAATTTAAGCTCACTTAAGAGCACC AATCATTAACAATCATTTTTGTATTTTATTCACAAACACTGATACGATTTGTTATTTAT GTTAAACAAACATTTTCTTTAAAAATGAATGTGTATTAAGTAGTTAACTGGTAGAAT AGGCTTTATTCCAATCTGTTTGTAAACAGCCTATTTTCACAATATCTATATCTACTTTT CATTGATCTGTTCCATCATTACTAACATATTTGTTCAAATTATTAGGACTATTTTTTCAA AGGGAGGAATAATCAAATCCCCAGTCCATATATCTTATAAATATTTTACACCTAATACA CACAGCTTACAGTTCATGCGATAGGCAGTGTCTAAAAATCAGTTACTAAATCTCAAAA ACATTTAAATATCTATTTAAACACAGTGTCTTCTAGATTTTTTTGGTAGCACAGTAATCT GTAACATCTTTACCTTTAGTTCATGCTCGCGCATTTGCTGTGGCCATTGTGGAANAAAG TCATATGACTCTATCACCATTGTGCAAGTCCATCCTTGCAAAAATTAATCTCCCTGGG TACAGACCAGCCTAGAATACCATGTGTCCCAATTNGGAAAGCATTCTGGTTTAAACC TAAACAAGACTTAACAGTCCAACTGCCGAACCTTGATATCTAATACCGCCCCACGGTC TCACTAAAATGTCCAATAAGGCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003692
Insert Size:	2240 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).
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.
RefSeq:	<u>NM_003692.2, NP_003683.2</u>
RefSeq Size:	2299 bp
RefSeq ORF:	1143 bp
Locus ID:	8577
UniProt ID:	<u>Q8IYR6</u>
Cytogenetics:	9q31.1
Domains:	kazal
Protein Families:	Transmembrane
Gene Summary:	May inhibit NODAL and BMP signaling during neural patterning (By similarity). May be a tumor suppressor in brain cancers.[UniProtKB/Swiss-Prot Function]