

Product datasheet for **RG208685**

TMEM120A (NM_031925) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM120A (NM_031925) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM120A
Synonyms:	NET29; TMPIT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208685 representing NM_031925 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCAGCCCCCGCCCCGGGCCGCTGGGCGACTGCCTGCGGGACTGGGAGGATCTACAGCAGGACTTCC
 AGAACATCCAGGAGACCCATCGGCTCTACCGCTGAAGCTGGAGGAGCTGACCAAACTTCAGAACAAATTG
 CACCAGCTCCATCAGCGGCAGAGAAGCGGCTCCAGGAGCTGGCCCTCGCCCTGAAGAAATGCAAACCC
 TCCCTCCCAGCAGAGGCCGAGGGGGCCGCACAGGAGCTGGAGAACCAGATGAAAGAGCGCCAAGGCCTCT
 TCTTTGACATGGAGGCCTATTTGCCTAAGAAGAATGGATTGTACCTGAGCCTGGTTCTGGGGAACGTCAA
 CGTCACGCTCCTGAGCAAGCAGGCTAAGTTTGCCTACAAGGACGAGTATGAGAAGTTCAAGCTCTACCTC
 ACCATCATCCTCATCCTCATCTCCTTCACTTGCCGCTTCTGCTCAACTCCAGGGTGACAGATGCTGCCT
 TCAACTTCCTGCTGGTCTGGTACTACTGCACCCTGACCATCCGGGAGAGCATCCTCATCAACAACGGCTC
 CCGGATCAAAGGCTGGTGGGTGTTCCATCACTACGTGTCCGCTTCTGTGCGGAGTCACTGCTGACGTGG
 CCCGACGGTCTCATGTACCAGAAATCCGGAACCAATTCCTCTCCTTTTCCATGTACCAGAGCTTCGTGC
 AGTTTCTCCAGTACTACTACCAGAGCGGCTGCCTTACCGCTGCGGGCGCTGGGCGAGCGGCACACCAT
 GGACCTCACTGTGGAGGGCTTCCAGTCTGGATGTGGCGGGCCCTCACCTTCTGCTGCCTTTTCTTTTC
 TTTGGACACTTCTGGCAGCTTTTAAACGCGCTGACGTTGTTCAACCTGGCCAGGACCCTCAGTGCAAGG
 AGTGGCAGGTGCTTATGTGCGGCTTCCCTTCTCCTCTTTCCTCGGCAATTTCTTACCACCCTGAG
 GTTGTGCACCACAAGTTTCACAGTCAGCGGCACGGGAGCAAGAAGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

Protein Sequence: >RG208685 representing NM_031925
 Red=Cloning site Green=Tags(s)

MQPPPPGPLGDCLRDWEDLQQDFQNIQETHRLYRLKLEELTKLQNNCTSSITRQKKRLQELALALKKCKP
 SLPAAEAGAAQELLENQMKERQGLFFDMEAYLPKKNGLYLSLVGNVNTLLSKQAKFAYKDEYEFKLYL
 TIILILISFTCRFLLSRVTDAAFNFLVWYYCTLTIREILINNGSRIKGWVVFHHYVSAFLSGVMLTW
 PDGLMYQKFRNQFLSFSMYQSFVQFLQYYYQSGCLYRLRALGERHTMDLTVEGFQSWMRGLTFLLPFLF
 FGHFWQLFNALTLFNLAQDPQCKEWQVLMCGFPFLLLFLGNFFTTLRVVHHKFHSQRHGSKKD

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031925

ORF Size: 1029 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_031925.1](#), [NP_114131.1](#)

RefSeq Size: 1318 bp

RefSeq ORF: 1032 bp

Locus ID: 83862

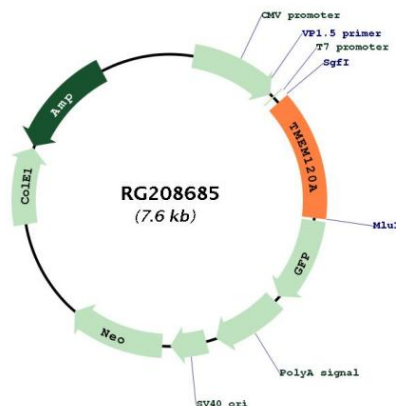
UniProt ID: [Q9BXJ8](#)

Cytogenetics: 7q11.23

Protein Families: Transmembrane

Gene Summary: Necessary for efficient adipogenesis (PubMed:26024229).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208685