

Product datasheet for **RG222993**

TSNARE1 (NM_145003) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSNARE1 (NM_145003) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TSNARE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG222993 representing NM_145003
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCATACGGATCCATCGCCCCTGGAGGTGGCCTGGGGAGCCGTGGCCCTTTCGGGGACCTTCGAGAC
AAGGCTGTCAGCCCTAGAGTGCCTAGATGTTGGACCGAGTATGGAATCCGCCATTTCCCTGCCCGTC
GCCAGAGAGCAAGCTGCAGAACCCTGTGTGGGAAGGACGGGAAGGTGATCTGGGGCCAGCAGGCACG
CCTATTGTCCCAAGGGCCAGGAAGCGAGGGCTGGGGTTGCCCTGAAGGCAGCCGGATGCCGGAGCCCA
CCTCATACCCACCATTGGCCCGAGGAAGGACTCGGCTGCTGGGCCCCATGGCCGGATGGCGGGGCCAG
CACTACCCGGGCCAAGAAGAGGAAGCCAACTTCTGCCCGCAGGAGACCGAGGTGCTGGTGTCCAAGGTG
AGCAAGCACCACCAGCTGCTGTTGGCACGGGGCTGCTGAAGGCCAGCCACTCGCAGGTACCGCGTGT
GGAGCCGCATCCTGCAGGCCGTGAATGCGCTGGGCTACTGTGCCGCGACGTTGTGGACCTGAAGCACAA
GTGGCGGGACCTACGAGCCGTCTGCGGGCAAGCTGGGGCACCCTCCGGAAGCGGCCCATGGCCCCAGC
CCTGGTTCGGGAAGCCCGAGGCCCTGGCTCTCACGCCGTGGAGCAGGTGGTGGCCAAGACCTTCTCTT
GCCAGGCCCTGCCCTCCGAGGGCTTCAGTCTGGAGCCGCCAGAGCCACCCAGGTGATCCGTGCAACCT
CCAGGAGCTGTTCCAGGAGATGTCGGCCAACTCTCCGAATCAACTCCAGTGTGACCTCCTTGGAGCGG
AGCCTTACGTCCTTAGGGACACCCAGTGACACGCAGGAGCTTCGGGACAGCCTGCACACGGCACAGCAGG
AGACCAACAAGACCATTGCAGCCAGCGCCAGCTCCGTGAAGCAGATGGCCGAGCTGCTGCGCAGCTCCTG
CCCGCAGGAGCGTCTGCAGCAGGAGCGTCTCAGTGGACCGGCTGAAAACCCAGCTCTCAGATGCCATT
CAGTGTATGGAGTGGTGCAGAAGAAAATTGCAGAAAAGTCCAGAGCGCTGCTTCCCATGGCGCAGAGGG
GCAGTAAACAGAGTCCCCAGGCCCGTTTGCCGAGCTGGCTGATGATGAGAAGGTCTTTAACGGGAGTGA
CAACATGTGGCAGGGCCAGGAGCAGCGCTGCTCCCGGACATCACTGAAGAGGACCTGGAGGCCATCCGG
CTGCGGGAGGAGGCCATCCTGCAGATGGAGAGCAACTTGTGGATGTGAATCAGATCATCAAGGACTTGG
CCTCCATGGTGTGAGAGCAAGGAGAAGCTGTTGATAGTATTGAAGCCAGCCTTGAAGGCTGCGTCTCGCA
TGCGGAGGCGAGCCCGCCAGCTCCTGGCTGGAGCCAGCGGCACCAACTCCAGAGACACAAGATCAAGTGC
TGCTTCTATCAGCTGGAGTCACTGCCCTGCTTGTATCATCATCATCATCGCCACCTCTGTCCGAAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG222993 representing NM_145003
Red=Cloning site Green=Tags(s)

MSYGSIA RGGGLGSRGPFGGPSRQGCQPLECARCWTEYGI RHFPCSPESKLQNRVCVKDGEGLGPAGT
PIVPRARKRGPV AEPGSRMPEPTSSPTIGPRKDSAAGPHGRMAGPSTTRAKKRKPNFCPQETEVLVSKV
SKHHQLLFGTG LLLKAEPTRRYRVWSRILQAVNALGYCRRDVVDLKHKWRDLRAVVRKLGDLRKAHGPS
PGSGKPQALAL TPVEQVAKTFSCQALPSEGF SLEPPRATQVDP CNLQELFQEMSANVFRINSSVTSLER
SLQSLGTPSDTQ ELRDSLHTAQQETNKIAASASSVKQMAELLRS SPCQERLQQERPQLDRLKTQLSDAI
QCYGVVQKKIAEKS RALLPMAQRGSKQSPQAPFAELADDEKVFNGSDNMWQGEQALLPDI TEEDLEAIR
LREEAILQMESN LLDVNQIIKDLAS MVSEQGEAVDSIEASLEAASSHAEARQLLAGASRHQLQRHKIKC
CFLSAGVTALLV IIIIATSVRK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_145003

ORF Size: 1539 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_145003.5](#)

RefSeq Size: 1982 bp

RefSeq ORF: 1542 bp

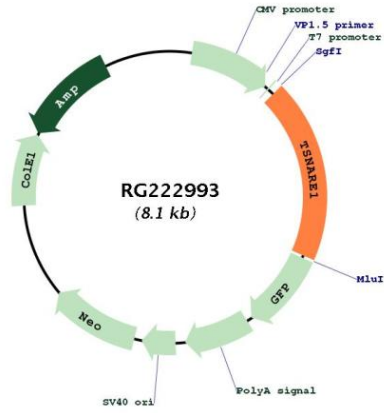
Locus ID: 203062

UniProt ID: [Q96NA8](#)

Cytogenetics: 8q24.3

Domains: t_SNARE, SynN
 Protein Families: Druggable Genome, Transmembrane
 Protein Pathways: SNARE interactions in vesicular transport

Product images:



Circular map for RG222993