

Product datasheet for **MR202745**

Syngn3 (NM_011522) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Syngn3 (NM_011522) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Syngn3
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR202745 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGGAGCATCCTTTGGCGCGGGCCGTGCGGGAGCTGCCTTTGATCCCGTGAGCTTTGCGCGGCGGC
 CCCAGACCCTGTTGCGGGTCGTGTCTCTGGGTGTTTTCTATTGCGGTGTTCCGACCGATTGTCAACGAGGG
 CTACGTGAACTCCGACAGTGGTCCAGAAGTGGCTGCGTCTTCAACGAAATGCGGGAGCCTGCCGCTTC
 GGCGTCGTAAGTCTAGGGCCCTTCATCGCTGCGTGGCCTTCTTGTCTGGACGTGCGCTTTTCAGC
 AGATCAGCAGCGTCCGAGACCGTCCGCGGGCTGTGCTACTGGACCTGGGCTTCTCAGGGGTCTGGTCCCT
 CCTGTGGTTTCGTAGGCTTCTGTTTCTCAACAATCAGTGGCAACGAACAACGCCAGGGCCAGGCACCGCG
 CAGGCTGGAGATGCGGCGCGTGTGCCATCGCTTTCAGCTTCTTCCATCCTCAGCTGGGTGGCGCTCA
 CCGTGAAGGCCCTGCAGCGGTTCCGCTAGGCACCGATATGTCTCTTTGCCACAGATCAGCTAGGTAC
 TGGGGCTGCCAGGCCTACCCAGGCTACCCAGTGGGCAGTGGTGTGGAGGTACAGAAACATACCAGAGC
 CCGCCCTTCACTGAGACCCTGGACACCAGCTCCAAAGGGTACCAGGTGCCTGCCTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202745 protein sequence
 Red=Cloning site Green=Tags(s)

MEGASFGAGRAGAAFDPVSFARRPQTLLRVVSWVFSIAVFGPIVNEGYVNSDSGPELRVFNAGACRF
 GVVLLGLGAFIACVAFLLLDVRFQQISSVRDRRAVLLDLGFSGVWSFLWVGFCLTNQWRTPGPGTA
 QAGDAARAAIAFSFFSILSWVALTVKALQRFRLGTDMSLFATDQLGTGAAQAYPGYPVSGVVEGTETYQS
 PPFTELTDTSSKGYQVPAY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011522

ORF Size: 690 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_011522.3](#)

RefSeq Size: 1959 bp

RefSeq ORF: 690 bp

Locus ID: 20974

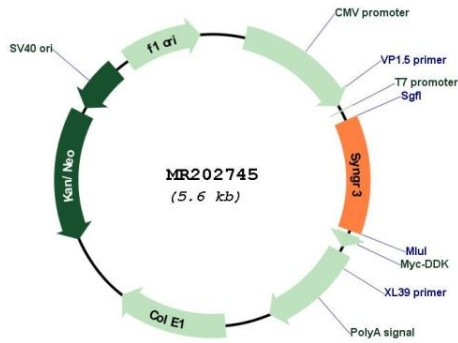
UniProt ID: [Q8R191](#)

Cytogenetics: 17 A3.3

MW: 24.6 kDa

Gene Summary: May play a role in regulated exocytosis (PubMed:10383386). May indirectly regulate the activity of the plasma membrane dopamine transporter SLC6A3 and thereby regulate dopamine transport back from the synaptic cleft into the presynaptic terminal (PubMed:19357284).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202745