

Product datasheet for **RC226081**

Granuphilin (SYTL4) (NM_001129896) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Granuphilin (SYTL4) (NM_001129896) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Granuphilin
Synonyms:	SLP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC226081 representing NM_001129896
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCGGAGTTACTGGACCTTTCTTTCTGTCTGAGGAGGAAAAGGATTTGATTCTCAGTGTCTACAGC
GAGATGAAGAGGTCCGGAAGCAGATGAGAAAAGGATTAGGCGACTAAAGAATGAGTTACTGGAGATAAA
AAGGAAAGGGGCCAAGAGGGGCAGCCAACACTACAGTGATCGGACCTGTGCCCGGTGCCAGGAGAGCCTG
GGCCGTTTGAGTCCAAAACCAATACTTGTGGGGTTGTAATCACCTGGTGTGTCGGGACTGCCGCATAC
AGGAAAGCAATGGTACCTGGAGGTGCAAGGTGTGCGCCAAGGAAATAGAGTTGAAGAAAGCAACTGGGGA
CTGGTTTTATGACCAGAAAGTGAATCGCTTTGCTTACCGCACAGGTAGTGAGATAATCAGGATGTCCCTG
CGCCACAAACCTGCAGTGAGTAAAAGAGAGACAGTGGGACAGTCCCTCCTCATCAGACACAGATGGGTG
ACATCTGGCCAGGAAGAAAGATCATTAGGAGCGGCAGAAAGGAGCCAGTGTGCTATTTGAAGTGCCAAA
GCTGAAAAGTGGAAAGAGTGCATTGGAAGCTGAGAGTGAGAGTCTGGATAGCTTACAGCTGACTCGGAT
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GAAGATGTGGTACATGAAAGTGGCTCCTTGGGAGACAGAAGCAAAATCCGTCACAGGCCTCAATGTGGATA
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CAGCATGCAAAGTGGCTCCTCCATGAGTACGATCGGCAGCATGATGAGCATCTACAGTGAAGCTGGTGAT
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TTGTCCATGTGAAGGAGTGCCATCAGCTGGCCTATGCTGATGAAGCCAAGAAGCGCTCTAACCCATATGT
GAAGACTTACCTTCTGCCTGACAAGTCCCGCCAAGGAAAAAGAAAAACCAGCATCAAGCGGGACACTATT
AATCCACTATATGATGAGACGCTGAGGTATGAGATCCCAGAATCTCTCCTGGCCAGAGGACCTGCAGT
TCTCAGTTGGCATCATGGTCGTTTTGGCAGAAACACTTTCTTGGAGAGGCAGAGATCCAGATGGATTC
CTGGAAGCTTGATAAGAAACTGGATCATTGCCTCCCTTACATGGAAAGATCAGTGTGAGTCCCGGACT
GGCTTGCCATCACACAAAGGCGAGTTGGTGGTTTCATTGAAATACATCCCAGCCTCCAAAACCCCTGTTG
GAGGTGACCGGAAAAAGAGTAAAGTGGGAAGGGGAGAGCTCCAGGTGTGGATCAAAGAAGCCAAGAA
CTTGACGGCTGCCAAAGCAGGAGGGACTTCAGACAGCTTTGTCAAGGGATACCTCCTCCCATGAGGAAC
AAGGCCAGTAAACGTAAACTCCTGTGATGAAGAAGACCCTGAATCCTCACTACAACCATACATTTGTCT
ACAATGGTGTGAGGCTGGAAGATCTACAGCATATGTGCCTGGAAGTACTGTGTGGGACCGGGAGCCCT
GGCCAGCAATGACTTCTGGGAGGGGTCAGGCTGGGTGTTGGCACTGGGATCAGTAAATGGGGAAGTGGTG
GACTGGATGGACTCGACTGGGGAAGAAGTGAAGCTGTGGCAGAAGATGCGACAGTACCGAGGCTCTGGG
CAGAAGGGACTCTGCAGCTCCGTTCTCAATGGCCAAGCAGAAGCTGGGTTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_001129896.3](#)

RefSeq ORF: 2016 bp

Locus ID: 94121

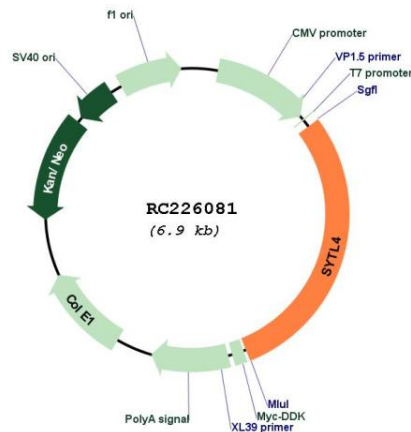
UniProt ID: [Q96C24](#)

Cytogenetics: Xq22.1

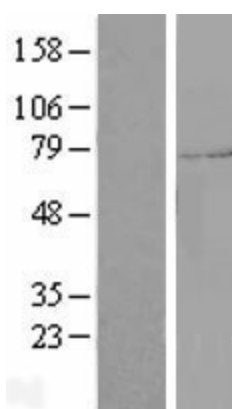
MW: 75.8 kDa

Gene Summary: This gene encodes a member of the synaptotagmin like protein family. Members of this family are characterized by an N-terminal Rab27 binding domain and C-terminal tandem C2 domains. The encoded protein binds specific small Rab GTPases and is involved in intracellular membrane trafficking. This protein binds Rab27 and may be involved in inhibiting dense core vesicle exocytosis. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Mar 2010]

Product images:



Circular map for RC226081



Western blot validation of overexpression lysate (Cat# [LY427077]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226081 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).