

Product datasheet for **RN214272**

Stbd1 (NM_001013988) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stbd1 (NM_001013988) Rat Untagged Clone
Tag: Tag Free
Symbol: Stbd1
Synonyms: RGD1311800
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN214272 representing NM_001013988
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGGCGCGCTGGTCAGCCCTGCTGGTCGGCGGGGGTCTGGCCGGAGCGCTCATCCTGTGGCTGTTGC
GGGGTACTCTGGGGCCCCGGGAAAGACGGGGGTGCGGAGCCGCTGAAAGACGCACCTCCAGGGGAGGC
TGCGGCCCGGGAGGCGGTCCGGGTGGTGGCAGTGGCGCCTGAGCCCTGAACCTCCGATCGGGAG
CTGGTCTCAAAGCAGAGCATCTTCGAGAGAGCAATGGACATTTGATTTCTGAGAGCAAAGATCTTGGTA
ACCTGACGGAAGCACAGAGACTGCAAGATGTTGGCAATGCCAGAGAATATGTTCTGTGGAAAGTCCC
AGATACACACTCCAGAGCTAACTCTGAAACGTCAAGAAATCAAAGCCCAGAATCTCGTGTAGGCGAATGG
AGACTCCCCAAAGGACACGAAACAGCTGTTAAAGTAGCGGGCAGTGTGGCTGAGAAGCTGCCCTCCAGCA
GCCCGCTCATGGACAGAGCTGAAGCAGCCAGCCTTGCACAGTCCGGCAGGCCACGAGGACTGGGAAGTGGT
GTCTAGGCACTCGTCTTGGGGGAGTGTGGTTTGGGTGGCAGTCTTGAGGCTTCTAGGTTAAGTCTAAAT
CAGGGAATGGACGAGAGCAGAAACAGTCTTGTGGGAGGGGGTGGGAGGTAGATGGGAAGTGGTGTCTG
TGAAACCTCGGCAGGTGAGCATCCAGTTCAAGGTGCACTACAGCAAGCAAGCACTGACGTGCAGTTCATTGC
AGTAACTGGAGACCAGAGAGTCTCGGGGATGGAACACATACATCCCACTCCACTACTGCAAGGATGGG
CTCTGGTCTATTCCGTCTTCTGCCTGCGGACACAGTGGTAGAGTGGAAGTTTGTGGTAGAGAATA
AGGAAGTTACTCGCTGGGAAGAATGCAGCAATAGACGCCTACAGACTGGCCATGAGGATAAAGTGTTTCA
TGGTGGTGGGGATTCA**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001013988
Insert Size:	1002 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_001013988.1</u> , <u>NP_001014010.1</u>
RefSeq Size:	1957 bp
RefSeq ORF:	1002 bp
Locus ID:	305234
UniProt ID:	<u>Q5FVN1</u>
Cytogenetics:	14p22
Gene Summary:	Acts as a cargo receptor for glycogen. Delivers its cargo to an autophagic pathway called glycophyagy, resulting in the transport of glycogen to lysosomes.[UniProtKB/Swiss-Prot Function]