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Product datasheet for MC204587

Stx5a (NM_019829) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stx5a (NM_019829) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stx5a
Synonyms:	0610031F24Rik; D19Ertd627e; Stx5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>BC021883
CACTTTTAAGAGGGTTTTTTCGCCTCCCCCTCCGCCCTCCGAAGTGTGTCCACCTCTGGAGATCGGTTGC
TGTTTTCTGTGAGAGGGGGAAGGAAATCACGTATACCAAAGGCAGGATTGAGACCTGGGCTAACTGCAAA
GGTCTGCCTGGAAGTTCAGGGCCGCAGGACCAGGCTGTGGCTGTTTTCTCGACTTTAGGGGCCCCGGCCG
GAGCTCTGGCAGTCAGAGCCAAGTCGGAAGGAGACTCTGAGGAGGCTTCGCCTTGGGCCTGGAGGAAGCT
GACCGTTCTCGCCGTGTCCAGGGTGCAGGATCTGCGGGTGGCCGTGGGCTCCAAAGTCTGTCAAATACGG
GAAAGGGCCTGGGGATTTGCTAGTTGAGGGGAGCGTTTGGGGAAAGAGGCTGTCTGGAGAATGACATTCT
CCTCTCCACAACAGTCTGAGGTTATGCGACTCGATGATCCCGCGGAAACGCTACGGATCTAAGAACACGG
ATCAGGGTGTCTACCTGGGTCTCTCAAAGACACAGGTTCTGTCCCCTGCAACTGCTATCAGTAGCAGCAG
TGACAGCACTCCTTTGCCCACTCCGGTGGCCCTGGTCCCCTCCCCTCCCGACACCATGTCCTGCCGGGAT
CGGACCCAGGAGTTCCAGTCTGCCTGCAAGTCCCTGCAGAGCCGTCAGAATGGAATCCAAACAAGCAAAC
CGGCTCTGCACGCAGCCCGACAGAGCAGTGAATTTACCCTCATGGCCAGGCGCATTGGGAAAGATCTCAG
CAATACATTTGCCAAGCTGGAGAAGCTAACAATCTTGGCAAAGCGCAAGTCCCTCTTTGATGATAAAGCA
GTAGAAATTGAGGAGCTAACATACATCATCAAACAGGATATCAATAGCCTCAACAAACAAATTGCTCAGC
TTCAAGATTTTGTGAGGGCCAAGGGCAGCCAGAGTGGCCGGCATCTGCAGACCCATTCTAACACCATTGT
GGTTTCGTTGCAGTCAAAGCTGGCTTCTATGTCCAATGACTTCAAGTCAGTTCTAGAAGTGAGGACTGAG
AATCTGAAACAGCAGAGGAACCGTCGGGAACAGTTCTCCAGGGCACCAGTGTCAGCCCTGCCTCTTGCCC
CCAACAACCTTGGAGGTGGTCCCATAATTTTGGGAGCAGAGTCCCGAGCTTCCAGGGACGTGGCTATTGA
CATGATGGACCCTAGAACAAGCCAGCAGCTTCAGCTCATTGATGAGCAGGATTCCTACATCCAGAGTCGG
GCAGACACCATGCAGAACATTGAGTCTACAATCGTTGAGCTGGGCTCCATTTTTCAGCAATTGGCACACA
TGGTTAAAGAACAGGAGGAAACGATTCAGAGGATCGACGAGAATGTGCTTGGAGCCCAGCTGGATGTGGA
GGCAGCCCATTCAGAGATCCTCAAGTACTTCCAGTCAGTTACCTCCAATCGGTGGCTCATGGTCAAAATC
TTCCTCATCCTCATTGTCTTCTTCATCATCTTTGTGGTCTTCCTTGCCTGAACCCTCCTCCCTCATTCTG
AGCCACTCCATGGAGGGCTTGGGATCCTCCTGGGAGGACAGGTGGCTACTATTGCCACTGAGCCTGTGCA
AGGTGGTTGGGAGAAAGGCCATTTCCTTGGAACTGCTAAGAATGGCCAGTGTCCCTGATTCCCCACCCTT
GTCTCTGGCCACTCTGTCCTATCCTCAGGCCCATGAAACACACTGGTTCTGGATTTGGACTCTGCTGTGA
AGAGGCTGGGAACAGAAGCCAGCTAGGGGCCAGTGGGGGAGGTTGTCTCCACCTTGAGATTTTTATAAGC
CTATAACCAGCCTCCCCCAAACGTAACTGGCAGCAAGAGGAGAAAACGCCCTTCCTTCTTGAGAGGCAAG
AATCCTCAAGAAGTATCCAAGGGACCAACTTCATCATCTGGGTCAGCTAGAACTTGACTGCCGCCTTCTC
CTCACCATGTGAGGTGAGGGGGCTCTGAGCCCTACAGTTGCCTGCACAAACCTGACTTTGGCTACTGGTG
ACTCTCAATATGCCAAACATGCTGCAGCCTATTTCCTCCCAATTACAGCAAGACTGTCAGCCTCAAAAAA AAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_019829

Insert Size: 906 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:	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:	BC021883, AAH21883
RefSeq Size:	2115 bp
RefSeq ORF:	906 bp
Locus ID:	56389
UniProt ID:	Q8K1E0
Cytogenetics:	19 A
Gene Summary:	Mediates endoplasmic reticulum to Golgi transport. Together with p115/USO1 and GM130/GOLGA2, involved in vesicle tethering and fusion at the cis-Golgi membrane to maintain the stacked and inter-connected structure of the Golgi apparatus.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. CCDS Note: he coding region has been updated to extend the N-terminus to one that is supported by available conservation data. The use of an alternative upstream start codon would result in a protein that is 54 aa longer.