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Product datasheet for MC223479

Unc13d (NM_001009573) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc13d (NM_001009573) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Unc13d
Synonyms:	2610108D09Rik; Jinx; mFLJ00067; Munc13-4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223479 representing NM_001009573 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGACACACCTTTCCCACCCCCAGCGGCGTCCACTCTTGCGCCAGGCCATCAAGATAAGGCGCCGCA GGGTCAGAGACCTGCAGGATCCACCACCCCAAGCCACCCAGGAGGTCCAGGTTCAGTCCCACCATTTCTC CCCAGAGGAGCGGGACCTGCTGTATGAGGAAGCCCTCTATACTGTCCTGCACCGCCTGGGTCAGCCAGAG CCCAACCATGTGAAGGAGGCCTCGGAACTGCTGAGCTATCTGCAGGAGGCTTTCCAGGTGCAGCCTGAGG AGCACCAGCAGATGCTGCGGCGCGTCAGGGAGCTCGAGAAGCCAGTATTTTGCCTGAAGGCCACAGTGAA ACAGGCCAAGGGTATTCTGGGAAAAGATGTCAGCGGGTTCAGCGACCCCTACTGCCTGCTGGGCATCGAG CAGAAGGTTGGTGTAGCAGAGGGCAGCCCTGTGTCCCGACGTCGGCAGAAGGCAGTGGTGAAGCACACCA TCCCGGAAGAGGAGACCCATCGCACCCAAGTCAAGAGCCAGACACTTAATCCCGTCTGGGACGAGACCTT TATCTTGGAGTTTGAGGACATAGCCAATGCAAGCTTTCACCTGGACATGTGGGACCTGGACACTGTGGAG TCTGTCAGGCAGAAGCTCGGGGAGCTCACGGACCTGCACGGGCTCCGGAGGATCTTTAAAGAAGCTCGGA AGGATAAAGGCCAGGACGACTTTCTGGGGAATGTGGTTCTGAGGTTGCAGGACCTGCGCTGCCGAGAGGA CCAGTGGTTCCCGCTAGAGCCCTGCACAGAGACCTACCCAGACCGCGGCCAGTGCCACCTTCAGTTCCAG TTCATTCACAAGAGGAGAGCCACGGCGGCCAGCCGCTCTCAGCCCAGCTACACTGTACACTTTCACCTAC TGCAGCAGCTGGTGTCCCATGAAGTCACACAGCACCAGGCCGGCAGTACCTCCTGGGACGCATCACTGAG TCCCCAGGCTGTCACCATCCTCTTTCTCCACGCCACTCAGAAGGACCTGTCGGACTTCCACCAGTCCATG GCGCAGTGGTTGGCCTACAGCCGCCTCTACCAGAGCCTGGAGTTCCCCAGCAGCTGCCTCCTGCACCCCA TCACCAGCATAGAGTACCAGTGGATCCAGGGCCGACTCAAAGCAGAACAGCGGGAGGAGCTGGCCACCTC CTTCACATCCCTGTTGGCCTATGGCCTCTCCCTTATCCGGAAGTTCCGCTCCGTCTTTCCCCTGTCTGTC TCTGACTCCCCATCCAGGCTGCAGTCCCTCCTCAGAGTCTTGGTCCAGATGTGCAAAATGAAGGCCTTTG GAGAACTGTGCCCAGACAGCGCTCCACTGTCCCAGCTGGTTTCTGAAGCTCTGCGGATGGGCACAGTTGA GTGGTTTCACCTGATGCAGCAACACCATCAGCCCATGGGCATCCTGGAGGCTGGCAAGGCCTTGCTAAAT CTGGTACAGGACGTCATGGGTGATCTGTACCAGTGTCGTCGCACATGGAACAAGATTTTCCACAATGTCC

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TCAAGATAGACCTGTTCTCCATGGCCTTCCTGGAGCTGCAGTGGCTGGTGGCCAAGAGGGTACAGGACCA
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GAGCCAAGCAGGCCTCCCAACATGCCCCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001009573

Insert Size: 3252 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.

RefSeq: NM_001009573.2, NP_001009573.2

RefSeq Size:	3967 bp
RefSeq ORF:	3252 bp
Locus ID:	70450
UniProt ID:	B2RUP2
Cytogenetics:	11 E2
Gene Summary:	Plays a role in cytotoxic granule exocytosis in lymphocytes. Required for both granule maturation and granule docking and priming at the immunologic synapse. Regulates assembly of recycling and late endosomal structures, leading to the formation of an endosomal exocytic compartment that fuses with perforin-containing granules at the immunologic synapse and licences them for exocytosis (By similarity). Regulates Ca(2+)-dependent secretory lysosome exocytosis in mast cells.[UniProtKB/Swiss-Prot Function]