

Product datasheet for **RN208588**

Lyrm7 (NM_001134729) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lyrm7 (NM_001134729) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lyrm7
Synonyms:	Lyrm7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208588 representing NM_001134729 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTCAGCCAGCCAAGGTTTTACAGCTCTTTAAACACTGCACAGGACCAGACAACAAGTTTTTAAA
ACGATAAGAGGGCATTGGAAGCAGCCAGAGTAAAGATAAACGAAGAATTCAAAAACATAAAAACGAGAC
ATCTCCAGAGAAAATAAAGAGATGCTGAAAATAGGTTCTGATGTTGAATTATTGCTCAGAACATCTGTT
ATCAAGGAATCCACTGACCACGACACTGCAACTGGTCCCCAGAAAGATCTTCTACAGAAAATG
TGCCGACTGTGATGCACCAACCCAGAAGCT**GTA**A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001134729
Insert Size:	315 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).



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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_001134729.1](#), [NP_001128201.1](#)

RefSeq Size: 1839 bp

RefSeq ORF: 315 bp

Locus ID: 686506

UniProt ID: [B4F7A1](#)

Cytogenetics: 10q22

Gene Summary: Assembly factor required for Rieske Fe-S protein UQCRFS1 incorporation into the cytochrome b-c1 (CIII) complex. Functions as a chaperone, binding to this subunit within the mitochondrial matrix and stabilizing it prior to its translocation and insertion into the late CIII dimeric intermediate within the mitochondrial inner membrane (By similarity).[UniProtKB/Swiss-Prot Function]