

Product datasheet for **RN204459**

Fam213b (NM_001108697) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam213b (NM_001108697) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fam213b
Synonyms:	RGD1308251
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204459 representing NM_001108697 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTACGCTGGACCTTGGTCGCGTAGGAGCGTGTGTCTTGAAGCATGCAGTTACTGGAGAGGCCGTGG
AGCTGCGGAGCCTATGGCAGGAGAAAGCTTGTGTGGTGGCCGGTCTGCGACGCTTCGGCTGCATGGTGTG
CCGCTGGATCGCCAGGACCTCAGCAACCTCCGGGGCATCCTGGACAAAACGATGTGCGCCTAGTGGGC
ATAGGGCCTGAAGCCCTGGGTCTGCAGGAGTTTCTGGATGGTGGTTACTTCTCAGGAGAACTCTACCTTG
ATGAGAGCAAGCAAATCTATAAGGAGCTGGGCTTCAAGAGGTACAACAGCTTAAGCATCTTGCCAGCTGC
CCTGGGAAAACCTGTTTCGTGATGTAGCCTCCAAGGCTAAGGCTGTTGGCATCCAGGGGAACCTGTCTGGT
GACCTGCTGCAAAGTGGAGGGCTGCTGGTGGTCAGCAAGGGTGGCGACAGGGTCTGTTGCATTCATCC
AGAGTTCCCCGGGTGACTACGTTCCCCAGGAGAACATCCTGCAGGCCTGGGTATCTCTGCAGAGGTTTG
CTCCAGCAAGCCACCCAGTGTGATGAAGAGGTGTGTGGAGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001108697
Insert Size:	606 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).



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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_001108697.1, NP_001102167.1</u>
RefSeq Size:	807 bp
RefSeq ORF:	606 bp
Locus ID:	362676
UniProt ID:	<u>D3ZVR7</u>
Cytogenetics:	5q36
Gene Summary:	Catalyzes the reduction of prostaglandin-ethanolamide H(2) (prostamide H(2)) to prostamide F(2alpha) with NADPH as proton donor. Also able to reduce prostaglandin H(2) to prostaglandin F(2alpha) (By similarity).[UniProtKB/Swiss-Prot Function]