

## Product datasheet for **SC100574**

### **C1orf93 (FAM213B) (NM\_152371) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf93 (FAM213B) (NM_152371) Human Untagged Clone
Tag:	Tag Free
Symbol:	C1orf93
Synonyms:	C1orf93; FAM213B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152371, the custom clone sequence may differ by one or more nucleotides

```
ATGAGCCGGGAGCGGGATCCAGGAGCGAGGAGCCGGGAGCGGGAACAGGGAGTCGGGGAGCCGGGAAC
CAGGGCTGGCAGCGCCGCCATGAGCACGGTGGACCTTGCTCGCGTGGGCGCGTGATCCTGAAGCATGC
GGTGACCGGGGAGGCCGTGGAGCTGCGGAGCCTGTGGCGGAGCACGCGTGCGTGGTGGCCGGGCTGCGG
CGCTTCGGGTGCGTGGTGTGCCGCTGGATCGCCAGGACCTCAGCAGCCTTGCTGGGCTCCTGGACCAAC
ACGGCGTGCCTGGTGGGCGTAGGGCCGAGGCCCTGGGTCTGCAGGAGTTCCTGGACGGCGACTACTT
CGCGGGAGAGCTCTACCTGGATGAGAGCAAGCAGCTTTACAAGGAGCTAGGCTTCAAGCGGTACAACAGC
CTGAGCATCCTCCAGCAGCTCTGGGGAAGCCCGTGCCTGATGTGGCTGCCAAGGCAAGGCTGTTGGCA
TCCAGGGGAACCTTGCTGGGGACCTGCTGCAGAGCGGAGGGCTGCTGGTGGTCAAGGTTGGTGTATAA
AGTGCTCCTGCATTTCTGTCAGAAAGTCCCAGGCGACTACGTCCCAAGGAGCACATCCTGCAGGTCCTG
GGCATCTCTGCGGAGGTCTGTGCCAGCGACCCGCTCAGTGTGACAGAGAGGTGTGA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_152371 unedited  
 NGCTTTTCCCGAATGCTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA  
 GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCG  
 CGAATTCGGCACGAGGGGGAACAGGGAGTCGGGGAGCCGGGAACCAGGGCTGGCAGCGGC  
 CGCCATGAGCACGGTGGACCTTGCTCGCGTGGGCGCGTGCATCCTGAAGCATGCGGTGAC  
 CGGGGAGGCCGTGGAGCTGCGGAGCCTGTGGCGGAGCACGCGTGCCTGGTGGCCGGCT  
 GCGGCGCTTCGGGTGCGTGGTGTGCCGCTGGATCGCCAGGACCTCAGCAGCCTTGCTGG  
 GCTCCTGGACCAACCGCGTGCCTGGTGGGGTAGGGCCCGAGGCCCTGGGTCTGCA  
 GGAGTTCTCGGACGCGACTACTTCGCGGGAGAGCTCTACCTGGATGAGAGCAAGCAGCT  
 TTACAAGGAGCTAGGCTTCAAGCGGTACAACAGCCTGAGCATCCTCCCAGCAGCTCTGGG  
 GAAGCCCGTGCCTGATGTGGCTGCCAAGGCCAAGGCTGTTGGCATCCAGGGGAACCTGTC  
 TGGGGACCTGCTGCAGAGCGGAGGGCTGCTGGTGGTCAAGAAAGTCCCAGGCGACT  
 ACGTCCCCAAGGAGCACATCCTGCAGGCTCTGGCATCTCTGCGGAGGTCTGTGCCAGCG  
 ACCCGCCTCAGTGTGACAGAAAGGTGTGAGGGAGGCGAAGGCCCTGGCCTNCGAGGATCT  
 GGGTGGCGTCTGCTGCCCTAGTGTGCTGGAAGTCCACTTGNAAGACTGTTNCGNAGGC  
 GCTGNGTCGGGATGCCCGACCTCTCCTGATCCGNNCGCAGCAACGAGCCATTAAGACTGC  
 AGTTNCTGACCACGCACTGCTTNCGAGCTCCGAGCCCTGCATNCTNCAAGNCCNCGNCT  
 T

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_152371 unedited  
 NGGTTCCACTATGNNACCGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCTCAACAAAAACAGTTTATTTGGGA  
 ATAAACCTGAAAGGGGCTTTTGGCCATTTTCGGTCAAGGACATTTTCTTACAACTAAAG  
 GCATTTAAAGGTTAAGAAAGGGGAACCCACCCCAAGCTGCGAATGTTTTGTGTGAAAG  
 AAAATTTTATTGCAAAATTGGAATATCTCTGGTGGAGGGGAGGGTATTCTCAAGATTGG  
 CATGTTTCTGGTCAAAGGGGGTTATCTCAAGGGTAAAAGTTTCTGCTCATACTGACC  
 TGAACCTTAAGCTGATGTTTTGGGCGGGTTTTAAACACCGAAAAATTAAGGCCCT  
 GTTTGTCCAAAAGGGAATGCTCCTGCTGTACACCCCCCACCACAAGGTAAGGGT  
 CGTTCAAACCTGGCCCCCTTTTCAAACACGTTTCACTGTGGCCGGGGACCCCCCTGC  
 ACCCCAAAGAGACAATCCCGTGTGGTAACCAAGGCCTTGCCCGCTGTGCGGGCCAACC  
 CCCCCCGCTTGTGGAGCATTTTGGCAAAGTCCACTTTTTCGCGACCCCAATGTAA  
 GTTCCCGCCCCGGCAACAAGTGAACCTGTGCTGGCAAGGCCTTTTGGGCCCTGGG  
 CCAAAGGGTGAAGAACCCCGCCTGAAACCCAGGGATGAAACAAAGGTGCCCATGGC  
 AAAACCTGGGACCGGAAGCCCCCTCCAAAAAACAAAGGGGGGTCAAAGGCC  
 CCGTCCACCATTTTTGTAAAAAATAATGGGGGCCCGCCCCCTCCAGGGGG  
 ATTGGTTCCCATTTTTACACCTCCAACATTGACC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_152371

**Insert Size:**

2750 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\\_152371.1](#), [NP\\_689584.1](#)

**RefSeq Size:** 2726 bp

**RefSeq ORF:** 597 bp

**Locus ID:** 127281

**UniProt ID:** [Q8TBF2](#)

**Cytogenetics:** 1p36.32

**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]  
Transcript Variant: This variant (2) uses a different splice site in an internal coding region exon, compared to variant 1. The resulting protein (isoform b) is shorter when it is compared to isoform a.