

Product datasheet for **SC106090**

C1orf77 (CHTOP) (AF261137) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf77 (CHTOP) (AF261137) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHTOP
Synonyms:	C1orf77; FL-SRAG; FOP; pp7704; SRAG; SRAG-3; SRAG-5
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AF261137, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCACAGTCAGCGCCGAAAGTTGTGCTAAAAAGCACCACCAAGATGTCTCTAAATGAGCGCTTTA
CTAATATGCTGAAGAACAACAGCCGACGCCAGTGAATATTCGGGCTTCGATGCAGCAACAACAGCAGCT
AGCCAGTGCCAGAAACAGAAGACTGGCCCAGCAGATGGAGAATAGACCCTCTGTCCAGGCAGCATTAAAA
CTTAAGCAGAGCTTAAAGCAGCGCCTGGGTAAGAGTAACATCCAGGCACGGTTAGGCCGACCCATAGGGG
CCCTGGCCAGGGGAGCAATCGGAGGACGAGGCCTACCCATAATCCAGAGAGGCTTGCCCAGAGGAGGACT
ACGTGGGGGACGTGCCACCAGAACCCTACTTAGGGGCGGGATGTCACTCCGAGGTCAAAACCTGCTCCGA
GGTGGACGAGCCGTAGCTCCCCGAATGGGCTTAAGAAGAGGTGGTGTTCGAGGTCGTGGAGTCTCTGGGA
GAGGGGGCCTAGGGCGTGGAGCTATGGGTCTGGCGGAATCGGTGGTAGAGGTCGGGGTATGATAGGTCTG
GGGAAGAGGGGGCTTTGGAGGCCGAGGCCGAGGCCGTGGACGAGGGAGAGGTGCCCTTGCTCGCCCTGTA
TTGACCAAGGAGCAGCTGGACAACCAATTGGATGCATATATGTCGAAAACAAAAGGACACCTGGATGCTG
AGTTGGATGCCTACATGGCGCAGACAGATCCCCAAACCAATGATTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for AF261137 unedited TTCACCAATATGTAATACGACTCACTATAGGGGCGGCCGGAATCGGCACGAGGGTTTTG GACACCGAGCAGGAGCTGGCGGCCGCTGCAGACGAAAGGCAGGAAAGGGCAGGCCGGGTG AGCAGACGGATCGGCCGACTAGACAGCCAACCAGCAACAACGAACTGAGCTCGCATACTA CCGTTACGCATCTAACCAACCGCCCATCTAGCTAACCCGAGCCCCTCCACCGTCAACTC AGGTTTCGGCCGGTCCCCGGCCCGCTGCCGGAGCCGTGGTGCCAGCCCCGGGAGGAGCAC TGGCGTCTGTTTCCTTCGATTCTCGGGATTCGAAGATGGCTGCACAGTCAGCGCCGAAAG TTGTGCTAAAAAGCACCACCAAGATGTCTCTAAATGAGCGCTTTACTAATATGCTGAAGA ACAAACAGCCGACGCCAGTGAATATTTCGGGCTTCGATGCAGCAACAACAGCAGCTAGCCA GTGCCAGAAAACAGAAGACTGGCCAGCAGATGGAGAATAGACCCTCTGTCCAGGCAGCAT TAAAACCTAAGCAGAAGAGCTTAAAGCAGCGCCTGGGTAAAGTAACATCCAGGCACGGT TAGGCCGACCCATAGGGGCCCTGGCCAGGGGAGCAATCGGAGGACGAGGCCTACCATAAT CCAGAGAGGCTTGCCCAAGAGAGGACTACGTGGGGGACGTGCCACCAGAACCCTACTTAG GGCGGGATGTCCTCCGAGTCAAACCTGCTCCGAGGTGGACGAGCCGTAACCTCCCCG AATGGGCTTAANAANAAGTGGTGTTCAGTCTGGAGTCTGGGAGAGGGGCCAGCGCT GGAGCATGGGTCGTGGCGAATCGGGTTAAGGTCGGTATGAAAGTCCGGACAAGGGCTTT GAAGCCAAGCCAGCCCGCCAAGAAAGGGCCCTGCTGCCTGTTC
Restriction Sites:	NotI-NotI
ACCN:	AF261137
Insert Size:	2000 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:	<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>AF261137.1</u> , <u>AAG44673.1</u>
RefSeq Size:	1293 bp
RefSeq ORF:	1293 bp
Locus ID:	26097
Cytogenetics:	1q21.3

Gene Summary:

This gene encodes a small nuclear protein that is characterized by an arginine and glycine rich region. This protein may have an important role in the regulation of fetal globin gene expression and in the activation of estrogen-responsive genes. A recent study reported that this protein binds 5-hydroxymethylcytosine (5hmC) and associates with an arginine methyltransferase complex (methylosome), which promotes methylation of arginine 3 of histone H4 (H4R3) and activation of genes involved in glioblastomagenesis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Nov 2015]