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Product datasheet for SC335546

FGFR1 Oncogene Partner (FGFR1OP) (NM_001278690) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGFR1 Oncogene Partner (FGFR1OP) (NM_001278690) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGFR1 Oncogene Partner
Synonyms:	FGFR1OP; FOP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335546 representing NM_001278690. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCGGCGACGGCGGCCGCAGTGGTGGCCGAGGAGGACACGGAGCTGCGGGACCTGCTGGTGCAGACG CTGGAGAACAGCGGGGTCCTGAACCGCATCAAGGCTGAACTCCGAGCAGCTGTGTTTTTAGCACTAGAG GAGCAAGAAAAAGTAGAGAACAAAACTCCTTTAGTTAATGAGAGCCTGAAAAAGTTTTTAAATACCAAA GACGGTCGTTTAGTGGCTAGTCTTGTTGCAGAATTTCTTCAGTTTTTTAACCTTGACTTTACTTTGGCT GTTTTTCAACCTGAAACTAGCACACTGCAAGGTCTCGAAGGTCGAGAGAATTTAGCCCGAGATTTAGGT ATAATTGAAGCAGAAGGTACTGTGGGTGGACCCTTATTATTAGAAGTGATCAGGCGCTGTCAACAGAAA GAAAAAGGGCCAACCACTGGGGAAAAGGCCAATGATGAGGCCAATCAGAGTGATACAAGTGTCTCCTTG TCAGAACCCAAGAGCAAAAGCAGCCTTCACTTACTGTCCCATGAAACAAAAATTGGATCTTTTCTAAGC AACAGAACTTTAGATGGCAAAGACAAAGCTGGCCTTTGTCCAGATGAAGATGATATGGAAGGAGATTCT TTCTTTGATGATCCCATTCCTAAGCCAGAGAAAACTTACGGTTTGAGGAAGGAACCTAGGAAGCAAGCA GGAAGTCTGGCCTCGCTCTCGGATGCACCCCCCTTAAAAAGTGGACTCAGCTCCCTGGCGGGAGCCCCT TCTTTAAAAGACTCTGAGAGTAAAAGGGGAAATACAGTTTTGAAAGATCTGAAATTGATCAGTGATAAA ATTGGATCACTTGGATTAGGAACTGGAGAAGATGATGACTATGTTGATGATTTTAATAGTACCAGCCAT CGCTCAGAGAAAAGTGAGATAAGTATTGGTGAAGAGATAGAAGAAGACCTTTCTGTGGAAATAGATGAC ATCAATACCAGTGATAAGACAATCACTCAGCTGGAATGTCTGCTCTCTATTGGTGCCTTGCATTTCAAA AACACTGCAGATATTTTTTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001278690

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Insert Size:	1056 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_001278690.1
RefSeq Size:	3451 bp
RefSeq ORF:	1056 bp
Locus ID:	11116
Cytogenetics:	6q27
Protein Families:	Druggable Genome
MW:	38.1 kDa
Gene Summary:	This gene encodes a largely hydrophilic centrosomal protein that is required for anchoring microtubules to subcellular structures. A t(6;8)(q27;p11) chromosomal translocation, fusing this gene and the fibroblast growth factor receptor 1 (FGFR1) gene, has been found in cases of myeloproliferative disorder. The resulting chimeric protein contains the N-terminal leucine-rich region of this encoded protein fused to the catalytic domain of FGFR1. Alterations in this gene may also be associated with Crohn's disease, Graves' disease, and vitiligo. Alternatively spliced transcript variants that encode different proteins have been identified. [provided by RefSeq, Jul 2013] Transcript Variant: This variant (3) lacks two consecutive in-frame exons in the internal coding region, and uses an alternate splice site at the 3'-terminal exon, compared to variant 1. The encoded isoform (c) is shorter and has a distinct C-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.