

Product datasheet for **SC312773**

FBXO22 (NM_012170) Human Untagged Clone

Product data:

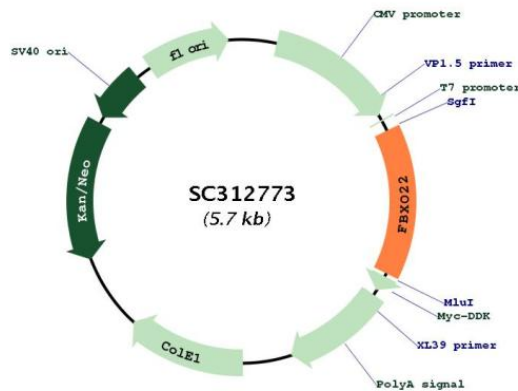
Product Type:	Expression Plasmids
Product Name:	FBXO22 (NM_012170) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO22
Synonyms:	FBX22; FISTC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312773 representing NM_012170. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCCGGTAGGCTGCTGCGGCGAGTGCCGCGGCTCCTCCGTAGACCCGCGGAGCACCTTCGTGTTG
AGTAACCTGGCGGAGGTGGTGGAGCGTGTGCTCACCTTCTGCCCGCAAGGCGTTGCTGCGGGTGGCC
TGCGTGTGCCGTTATGGAGGGAGTGTGTGCGCAGAGTATTGCCGACCCATCGGAGCGTAACCTGGATC
TCCGCAGGCTGGCGGAGGCCGCCACCTGGAGGGCATTGCTTGGTTCGCGTGGTAGCAGAGGAGCTT
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GAGTGTGCTGGCCATAAGAGAGCAAGGAAAAGAACTAGTATGGAACAGCACTTGCCTTGAGAAGCTA
TTCCCAAACAATGCCAAGTCTTGGGATTGTGACCCAGGAATTGTAGTGACTCCAATGGATCAGGT
AGCAATCGACCTCAGAAATAGAAATTGGAGAATCTGGTTTTGCTTTATTATCCCTCAAATTTGAAGGA
ATAAAAATACAACCCCTTTCATTTTATTAAGGATCCAAAGAATTTAACATTAGAAAGACATCAACTACT
GAAGTAGGTCTTTTAGATAAACCTGAACCTCGTGTGGTCTTGTCTTTGGTTATAAATTGCTGTAAGGTG
GGAGCCAGTAATTATCTGCAGCAAGTAGTCAGCACTTTCAGTGATATGAATATCATCTTGGCTGGAGGC
CAGGTGGACAACCTGTCATCACTGACTTCTGAAAAGTATGTCTTGTGTGCTTCTGATTTTCGTCTGTGAA
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_012170

Insert Size: 831 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_012170.3](#)

RefSeq Size: 1717 bp

RefSeq ORF: 831 bp

Locus ID: 26263

UniProt ID: [Q8NEZ5](#)

Cytogenetics: 15q24.2

Domains: F-box

Protein Families: Druggable Genome

MW: 30.6 kDa

Gene Summary: This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class and, as a transcriptional target of the tumor protein p53, is thought to be involved in degradation of specific proteins in response to p53 induction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]

Transcript Variant: This variant (2) contains a distinct 3' coding sequence and 3' UTR compared to variant 1. This results in a shorter isoform (b) with a distinct C-terminus compared to isoform a.