

Product datasheet for RC205873

FBXO25 (NM_012173) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO25 (NM_012173) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBXO25
Synonyms:	FBX25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205873 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAATATTCAATAATGAAGAGCATGAATATGCATCGAAAAAAGGAAAAAGGACATTTTAGAAA
TGACACAAATACTCAAAGGCATGGCTATTGCACCTTGGGAGAAGCCTTTAATCGTTAGACTTCTCAAG
TGCAATTCAGATATCCGAAGTTCAATTATGTGGTCAAAGTGTGCAGCTAATTGCAAAATCCCAGTTA
ACTTCATTGAGTGGCGTGGCACAGAAGAATTACTTCAACATTTTGGATAAAATCGTTCAAAGGTTCTTG
ATGACCACCACAATCCTCGTTAATCAAAGATCTTCTGCAAGACCTAAGCTCTACCCTCTGCATTCTTAT
TAGAGGAGTAGGGAAGTCTGTATTAGTGGGAAACATCAATATTTGGATTTGCCGATTAGAACTATTCTC
GCCTGGCAACAACAGCTACAGGATCTTCAGATGACTAAGCAAGTGAACAATGGCCTCACCCCTCAGTGACC
TTCTCTGCACATGCTGAACAACATCCTATACCGTTCTCAGACGGATGGGACATCATCACCTTAGGCCA
GGTGACCCCCACGTTGTATATGCTTAGTGAAGACAGACAGCTGTGGAAGAAGCTTTGTCAGTACCATTTT
GCTGAAAAGCAGTTTTGTAGACATTTGATCCTTTCAGAAAAAGGTCATATTGAATGGAAGTTGATGACT
TTGCACTTCAGAAACATTACCCAGCGAAGGAGCAGTACGGAGACACACTGCATTTCTGTCCGCACTGCAG
CATTCTCTTTTGAAGGACTCAGGACACCCCTGCACGGCGGCCGACCTGACAGCTGCTTACGCCTGTG
TCTCCGACGACTTCATCGACCTTTCAAGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205873 protein sequence
Red=Cloning site Green=Tags(s)

MEKYSIMKSMNHRKKGKRTILEMTQILKRHYCTLGEAFNRLDFSSAIQDIRRFNYVVKLLQLIAKSQL
 TSLSGVAQKNYFNILDKIVQKVLDDHNPRLIKDLLQDLSTLCILIRGVGKSVLVGNINIWICRLETIL
 AWQQQLQDLQMTKQVNNGLTSDLPLHMLNNILYRFSGDWDIITLQGVPTLYMLSEDRQLWKKLCQYHF
 AEKQFCRHLILSEKGHIEWKLMYFALQKHYPKEQYGDTLHF CRHCSILFWKDSGHPCTAADPDSCFTPV
 SPQHFIDLFKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6552_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012173

ORF Size: 873 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_012173.3](#), [NP_036305.2](#)

RefSeq Size: 2452 bp

RefSeq ORF: 876 bp

Locus ID: 26260

UniProt ID: [Q8TCJ0](#)

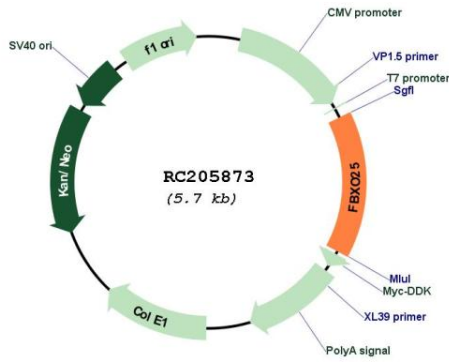
Cytogenetics: 8p23.3

Domains: F-box

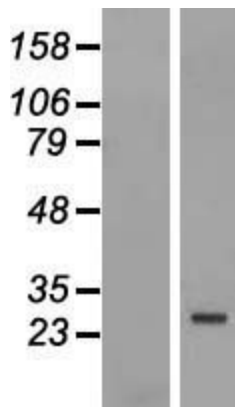
MW: 34.1 kDa

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 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. Three alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC205873



Western blot validation of overexpression lysate (Cat# [LY415950]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205873 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).