

Product datasheet for **RG214839**

XPO6 (NM_015171) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XPO6 (NM_015171) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	XPO6
Synonyms:	EXP6; RANBP20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214839 representing NM_015171 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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CGGCAGAGCTTGGAGGTGGTGGCCAAAGTGATGGAGCTCCTGCCACGCACGCCTTCTCCACACTGTTCC
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CACCCAGAATGTGCACAGGCTGGTCAACGACCTGCGCTACTACAGACTCTGCAACGACAGCCTGCCCCCT
GGCACTGTGAAGCTC

ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214839 representing NM_015171

Red=Cloning site Green=Tags(s)

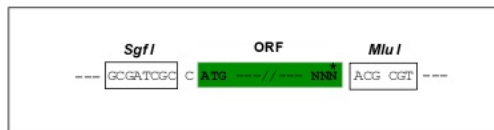
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GTVKL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGCGCGCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGCCGCCAGATCT
 HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -
 PmeI FseI
 --- GAA GAA AGA GTT TAA ACGGCCGCCGCCGAGCT
 - - E E R V Stop

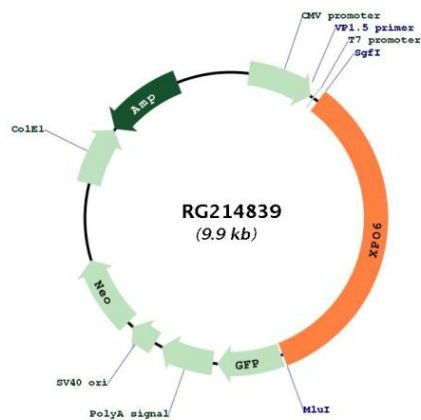
ACCN: NM_015171

ORF Size: 3375 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.
RefSeq:	<u>NM_015171.1, NP_055986.1</u>
RefSeq Size:	3960 bp
RefSeq ORF:	3378 bp
Locus ID:	23214
UniProt ID:	<u>Q96QU8</u>
Cytogenetics:	16p12.1
Gene Summary:	The protein encoded by this gene is a member of the importin-beta family. Members of this family are regulated by the GTPase Ran to mediate transport of cargo across the nuclear envelope. This protein has been shown to mediate nuclear export of profilin-actin complexes. A pseudogene of this gene is located on the long arm of chromosome 14. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Aug 2012]

Product images:



Circular map for RG214839