

Product datasheet for **RG204690**

UBXN8 (NM_005671) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	UBXN8
Synonyms:	D8S2298E; REP8; UBXD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204690 representing NM_005671
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTTCACGTGGGGTTGTTGGCATTCTCTCTCTGCTGTCCCCCTTGTGTGTCTGGAGCTCCGGC
GTGGGATCCCGGATATAGGAATCAAGGATTTCTTTTGCTTTGTGGCCGGATTTTGCTACTGCTTGTCT
TCTTACTTTAATTATTTCTGTGACTACCTCATGGCTTAACCTATTTAAATCTCCCCAAGTTTATCTGAAG
GAAGAAGAAGAAAAGATGAGAAAAAGACAAAACTTGTGAGAAAAACAACAAGACACAAGGAGAGA
AGGCCAGCAGATACATAGAGAATGTTTTAAACCTCACCAGGAAATGAAATTGAGAAAACTGGAGGAGCG
CTTTTATCAAATGACGGGTGAAGCCTGGAATTAAGCAGTGGTCACAACTTGGGGGTGATGAAGGTACA
AGTCAGACATCTTTTGAACATCAAACAGAGAAGCAGCAAAGAGCCAGAACTTGCCTAAACCTTTAACTG
AATTTCCGTCTCCTGCTGAACAGCCACATGCAAGGAGATTCCTGATTTACCTGAAGAACCTTCTCAAAC
AGCAGAAGAAGTAGTTACTGTTGCTCTCCGATGTCCAGTGGGAATGTCCTGAGGAGAAGGTTTTGAAG
TCCTACAGCTCACAGGTCTTATTTGACTGGATGACGAGAATTGGGTACCACATATCTCTATACAGCCTTT
CTACTTCCTTTCCAGACGGCCTCTGGCAGTGGAGGGAGGCCAGTCGCTGGAGGACATAGGAATAACTGT
GGAACTGTACTCATCTGGAGGAGAAGGAGCAGACCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG204690 representing NM_005671
 Red=Cloning site Green=Tags(s)

MASRGVVGIFFLSAVPLVCLRLRRGIPDIGIKDFLLLCGRILLLLALLTLIISVTTSWLNSFKSPQVYLK
 EEEEKNEKRQKLVRKKQQAQGEKASRYIENVLKPHEMKLRKLEERFYQMTGEAWKLSGHLGGDEGT
 SQTSTFETSNREAAKSQNLPKPLTEFPSPAEQPTCKEIPDLPEEPSQTAEVVTVLRCPSGNVLRRRFLK
 SYSSQVLFDWMTRIGYHISLYSLSTSFPRRPLAVEGGQSLEDIGITVDTVLILEEKEQTN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005671

ORF Size: 810 bp

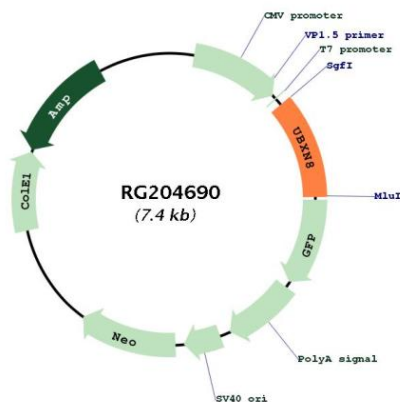
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_005671.3</u>
RefSeq Size:	1442 bp
RefSeq ORF:	813 bp
Locus ID:	7993
UniProt ID:	<u>O00124</u>
Cytogenetics:	8p12
Protein Families:	Transmembrane
Gene Summary:	p97 or VCP (valosin-containing protein) is a versatile ATPase complex, and many cofactors are required for the p97 functional diversity. This gene encodes one of the p97 cofactors. This cofactor is a transmembrane protein and localized in the endoplasmic reticulum (ER) membrane. It tethers p97 to the ER membrane via its UBX domain. The association of this cofactor with p97 facilitates efficient ER-associated degradation of misfolded proteins. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2013]

Product images:



Circular map for RG204690