

Product datasheet for **RG202137**

EAP30 (SNF8) (NM_007241) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EAP30 (SNF8) (NM_007241) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EAP30
Synonyms:	Dot3; EAP30; VPS22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202137 representing NM_007241 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCGCCGCGGGTGGGAGCTGGCGCCATCGCCAAGAAGAACTTGCAGAGGCCAAGTATAAGGAGC
GAGGGACGGTCTTGGCTGAGGACCAGCTAGCCCAGATGTCAAAGCAGTTGGACATGTTCAAGACCAACCT
GGAGGAATTTGCCAGCAAACACAAGCAGGAGATCCGGAAGAATCCTGAGTCCGTGTGCAGTTCAGGAC
ATGTGTGCAACCATTGGCGTGGATCCGCTGGCCTCTGGAAAAGGATTTTGGTCTGAGATGCTGGCGTGG
GGGACTTCTATTACGAACTAGGTGTCAAATTATCGAAGTGTGCCTGGCGCTGAAGCATCGGAATGGAGG
TCTGATAACTTTGGAGGAACTACATCAACAGGTGTTGAAGGGAAGGGCAAGTTCGCCCCAGGATGTCAGT
CAAGATGACCTGATCAGAGCCATCAAGAACTAAAGGCACCTTGGCACTGGCTTCGGCATCATCCCTGTGG
GCGGCACTTACCTCATTCACTGCTGTTCCAGCTGAGCTCAATATGGATCACACCGTGGTGTGCAGCTGGC
AGAGAAGAATGGCTACGTGACTGTCAAGGAGGTTGGCGTGGCTGGACTTACAGGCCCCAGGGGAGGCCCACT
CAAGTGTGGAACACCTGCTGAAGGAAGGTTGGCGTGGCTGGACTTACAGGCCCCAGGGGAGGCCCACT
ACTGGCTGCCAGCTCTTCACTGACCTTACTCCCAGGAGATTACAGCTGAGGAGGCCAGAGAAGCCCT
CCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG202137 representing NM_007241
 Red=Cloning site Green=Tags(s)

MHRRGVGAGAIAKKKLAEAKYKERGTVLAEDQLAQMSKQLDMFKTNLEEFASKHKQEIRKNPEFRVQFQD
 MCATIGVDPLASGKGFWSEMLGVGDFYELGVQIIIEVCLALKHRNGGLITLLEELHQVLKGRGKFAQDVS
 QDDLIRAIKKLALGTGFGIIPVGGTYLIQSVPAELNMDHTVVLQLAEKNGYVTVSEIKASLKWETERAR
 QVLEHLLKEGLAWLDLQAPGEAHYWLPAFLFTDLYSQEITAEAEAREALP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007241

ORF Size: 774 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: [NM_007241.4](#)

RefSeq Size: 1226 bp

RefSeq ORF: 777 bp

Locus ID: 11267

UniProt ID: [Q96H20](#)

Cytogenetics: 17q21.32

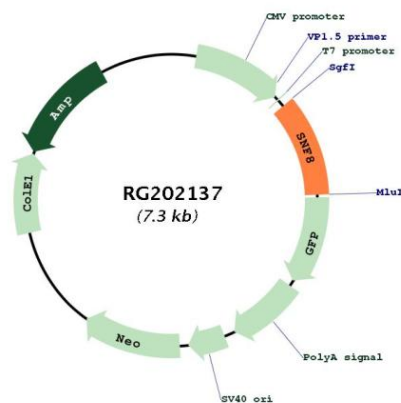
Domains: EAP30

Protein Families: Transcription Factors

Protein Pathways: Endocytosis

Gene Summary: The protein encoded by this gene is a component of the endosomal sorting complex required for transport II (ESCRT-II), which regulates the movement of ubiquitinated transmembrane proteins to the lysosome for degradation. This complex also interacts with the RNA polymerase II elongation factor (ELL) to overcome the repressive effects of ELL on RNA polymerase II activity. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RG202137