

Product datasheet for **RC207711**

FAU (NM_001997) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FAU (NM_001997) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FAU
Synonyms: asr1; FAU1; Fub1; Fubi; MNSFbeta; RPS30; S30
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC207711 representing NM_001997
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCTCTTTGTCCGCGCCAGGAGCTACACACCTTCGAGGTGACCGCCAGGAAACGGTCGCCAGA
TCAAGGCTCATGTAGCCTCACTGGAGGGCATTGCCCGGAAGATCAAGTCGTGCTCTGGCAGGCGCGCC
CCTGGAGGATGAGGCCACTCTGGCCAGTGCAGGGTGGAGGCCCTGACTACCCTGGAAGTAGCAGGCCGC
ATGCTTGGAGGTAAGTCCATGGTCCCTGGCCCGTGTGGAAAAGTGAGAGGTCAGACTCCTAAGGTGG
CCAAACAGGAGAAGAAGAAGAAGACAGGTCGGGCTAAGCGGGGATGCAGTACAACCGCGCTTTGT
CAACGTTGTGCCACCTTTGGCAAGAAGAAGGGCCCAATGCCAACTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC207711 representing NM_001997
Red=Cloning site Green=Tags(s)

MQLFVRAQELHTFEVTGQETVAQIKAHVASLEGIAPEDQVLLAGAPLEDEATLQCGVEALTTLEVAGR
MLGGKVHGSRLARAGKVRGQTPKVAKQEKKKKTGRAKRRMQYRRRFVNVVPTFGKKKGNANS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2889_g07.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_001997

ORF Size: 399 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_001997.5](#)

RefSeq Size: 570 bp

RefSeq ORF: 402 bp

Locus ID: 2197

UniProt ID: [P35544](#)

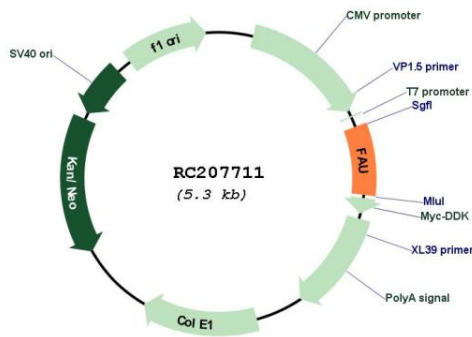
Cytogenetics: 11q13.1
Domains: UBQ, Ribosomal_S30
Protein Families: Druggable Genome

Protein Pathways: Ribosome

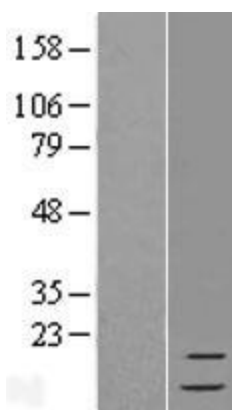
MW: 14.2 kDa

Gene Summary: This gene is the cellular homolog of the fox sequence in the Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV). It encodes a fusion protein consisting of the ubiquitin-like protein fubi at the N terminus and ribosomal protein S30 at the C terminus. It has been proposed that the fusion protein is post-translationally processed to generate free fubi and free ribosomal protein S30. Fubi is a member of the ubiquitin family, and ribosomal protein S30 belongs to the S30E family of ribosomal proteins. Whereas the function of fubi is currently unknown, ribosomal protein S30 is a component of the 40S subunit of the cytoplasmic ribosome and displays antimicrobial activity. Pseudogenes derived from this gene are present in the genome. Similar to ribosomal protein S30, ribosomal proteins S27a and L40 are synthesized as fusion proteins with ubiquitin. [provided by RefSeq, Nov 2014]

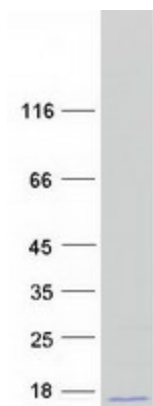
Product images:



Circular map for RC207711



Western blot validation of overexpression lysate (Cat# [LY419601]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207711 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAU protein (Cat# [TP307711]). The protein was produced from HEK293T cells transfected with FAU cDNA clone (Cat# RC207711) using MegaTran 2.0 (Cat# [TT210002]).