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Product datasheet for SC118926

FAU (NM_001997) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAU (NM_001997) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAU
Synonyms:	asr1; FAU1; Fub1; Fubi; MNSFbeta; RPS30; S30
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001997, the custom clone sequence may differ by one or more nucleotides

ATGCAGCTCTTTGTCCGCGCCCAGGAGCTACACACCTTCGAGGTGACCGGCCAGGAAACGGTCGCCCAGA
TCAAGGCTCATGTAGCCTCACTGGAGGGCATTGCCCCGGAAGATCAAGTCGTGCTCCTGGCAGGCGCGCC
CCTGGAGGATGAGGCCACTCTGGGCCAGTGCGGGGTGGAGGCCCTGACTACCCTGGAAGTAGCAGGCCGC
ATGCTTGGAGGTAAAGTCCATGGTTCCCTGGCCCGTGCTGGAAAAGTGAGAGGTCAGACTCCTAAGGTGG
CCAAACAGGAGAAGAAGAAGAAGAAGACAGGTCGGGCTAAGCGGCGGATGCAGTACAACCGGCGCTTTGT
CAACGTTGTGCCCACCTTTGGCAAGAAGAAGGGCCCCAATGCCAACTCTTAA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001997 unedited

CACGAGGCACGCAGCCCACGGTCTGTACTGACGCGCCCTCGCTTCTTCCTCTTTCTCGAC
TCCATCTTCGCGGTAGCTGGGACCGCCGTTCAGTCGCCAATATGCAGCTCTTTGTCCGCG
CCCAGGAGCTACACACCTTCGAGGTGACCGGCCAGGAAACGGTCGCCCAGATCAAGGCTC
ATGTAGCCTCACTGGAGGGCATTGCCCCGGAAGATCAAGTCGTGCTCCTGGCAGGCGCGC
CCCTGGAGGATGAGGCCACTCTGGGCCAGTGCGGGGTGGAGGCCCTGACTACCCTGGAAG
TAGCAGGCCGCATGCTTGGAGGTAAAGTCCATGGTTCCCTGGCCCGTGCTGGAAAAGTGA
GAAGGTCAGAACTCCTAAGGTGGCCAAACAGGAGAAGAAGAAGAAGAAAACAGGTCGGGC
TAAGCGGCGGATGCAGTACAACCGGCGCTTTGTCAACGTTGTGCCCACCTTTGGCAAGAA
GAAGGGCCCCAATGCCAACTCTTAAGTCTTTTGTAATTCTGGCTTTCTCTAATAAAAAAG
CCACTTAGTTCAG

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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_001997 unedited
CCGCGGCACGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTGACCGAACTAAAGGGGTTTTTTATTAAAAAAAGCCCAAATT
ACAAAAAACTTAAAAATTGGGATTGGGGCCCTTTTTTTTGCCAAAGGGGGGCACAACGTT
GACAAAACGCCGGTTGTACTGGATTCCCCGCTTAACCCGACCTGGCTTTTTTTTTTTTTT
TTCCTGGTTGGCCACCTTAAGAATCTGACCTCTCACTTTTCCAACACGGGCCAAGGAACC
ATGGACTTTACCTCCAAACATGCGGGCTGGTACTTTCAAGGGAATCAGGGCCCCCACCCC
GCACTGGCCCAAAAGGGCCTCATTCTCCAAGGGCGCCCCTGCCAAGAACACAAATTGATC
TTTCGGGGCAATGCCCTCCAATGAGGGTACATGAACCTTGATCTGGGCGAACGTTTCCTG
GCCGGGCACCTTGAAAGGGGGTAACTCCTGGGCGCGGACAAAAAACTGCATATTGGCGAA
TGAACCGGGGTCCCAACTACCGCGAAAAAGGAGTCCAAAAAAAAGAAAAAACGAGGGCGC
GTCAATACAAACCGGGGGCTGCGTGCCTCGTGCCGAATTTGCGGGCGCCCTATAGTGAGG
CGTATTACAAAATTCTGACGGGTCACTAAACGAGCCCTGGTTATATAAACCTCCCACCGG
ACACGCCCTACGGCCATTTGCGGTAACGGGGCGGGGGTATTACGACATTTTTGAAAGCCC
CGTGATTTTGGGCCAAAACAACCCCCTTTGACCTAAGGGGGGGGAGATTGGAAATACCCG
GGGTCAACCGCTTTCCGCCCCTTTGTGTCTGGCCAAACCCTCCACATGGAAACCGCGACT
AATACCTAATTACTGCCAGA
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Restriction Sites: NotI-NotI

ACCN: NM_001997

Insert Size: 670 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001997.3, NP_001988.1

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

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]