

Product datasheet for MR218706

U2surp (NM_001114977) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: U2surp (NM_001114977) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: U2surp
Synonyms: 2610101N10Rik; AU023006; Sr140
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218706 representing NM_001114977
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCGACAAAACGCCAGGCGGATCTCAGAAGGCCAGTTCAAAGAACCGATCATCAGATGTTTCATTCAT
CTGGATCTTCAGATGCACATATGGATGCATCTGGACCCTCAGATAGTGATATGCCAAGTCGAACACGACC
TAAAAGCCCAAGAAAACACAATTATAGGAATGAGAGTTCGCGGAAAGCCTTTGCGATTCTCCTCATCAG
AATCTCTCAAGACCTCTCTAGAAAACAAGCTTAAAGCATTGAGTATTGAAAAATGAGCACAGCAAAGC
GAACCCTAAGTAAGAAGGAACAAGAGGAACTGAAGAAAAAGGAGGATGAGAAGGCAGCGCCGAAATTTA
TGAGGAATTTCTTGTCTTTTGAAGGAAGTATGGTAATAAAGTGAAAACGTTTGTTCGAGGCGGGTT
GTTAATGCAGCTAAAGATGAACATGAAACAGATGAAAAAGAGGTAAAATCTATAAACCATCTTCAAGGT
TTGCGATCAAAAAATCCTCCAATCAGTCATCCAATGAAAGGCCGCCATCTCTTCTTGTGATAGAGAC
GAAAAACCCCACTGAAAAAGGGGAGAAGGAAAAAGCAATTTGGAACCTTTCAAAGAAGAA
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CTCAGTCAGACTCTGATGGTCAGCGACGTTCTATGGATGTGCCTCAAGAAGAAATAGATCGTCTGGTGT
TCTTGATGATTATGCACCTGGCTCACATGATGTAGGAGATCCCAGCACTACAAATTTATACCTTGAAAC
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ATCCCAACAGAAAGGAATTTACTCGCCCTGATACCCGAATGATAGAATTTGTTGACGTGAAGGCCAA
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ACCAGCCCATGTTACTACAGGTGGAAGCTTTATTCTATTCTGCAGGAGATTCTCAACGAAATGGCG



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ACAGAAGATTTTCGAATGTTCAAAAATGGATCTTTTTGGAGGCCACCACCTTTAAATCCATACCTTCATG
 GGATGTCAGAGGACAGAGACAGAAGCGTTTGTAGAAGAACCTAGTAAGAAGGGAGCACTCAAGGAAGA
 ACAGCGGGATAAGTTAGAAGAAATCTTGCAGGATTAACCTCAAGGAAAAATGATATTGGAGATGCCATG
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 CAAACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218706 representing NM_001114977

Red=Cloning site Green=Tags(s)

MADKTPGGSQKASSKNRSDVHSSGSSDAHMDASGPSDSMPSRTRPKSPRKHNYRNESSRESLDCSPHQ
 NLSRPLENKLKAFSIGKMSTAKRTL SKKEQEELKKKEDKAAAEIYEFLAAAFEGSDGNKVKTFVRGGV
 VNAAKDEHETDEKRGKIYKPSRFADQKNPPNQSSNERPPSLLV IETKKPPLKKEKEKKSNLELFKEE
 LKQIQEERDERHKTKGRLSRFEPQSDSDGQRRSMDVPSRRNRSSGVLDDYAPGSHDVGDPSTTNLYLGN
 INPQMNEEMLCQEFGRFGLASVKIMWPRTEERARERNCGFVAFMNRRAERALKNLNGKMIMSFEMKL
 GWGKAVPIPPHPYIYPPSMMEHTLPPPPSGLPFNAQPRERLKNPNAPMLPPPKNKEDFEKTL SQAIKVV
 IPTERNLLAL IHRMIEFVVREGPMFEAMIMNREINNPMFRFLFENQTPAHVYYRWKLYSILQGDSPTKWR
 TEDFRMFKNGSFWRPPPLNPLYLHGMSEEQTEAFVEEPSKKGALKKEEQRDKLEEILRGLTPRKNDIGDAM
 VFCLNNAEAAEEIVDCITESLSILKTPLPKIIARLYLVSDVLYNSSAKVANASYYRKFETKLCQIFSDL
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 EELDGAPELVDGIPIDATPIDDLGVPKSLDDLDGVPLDATEDSKNEPIFKVAPSKWEAVDESELE
 AQAVTTSKWELFDQHEESEEEENQNEEESEDEEDTQSSKSEEHLYSNPVREEATESKFSKYSEMSEEK
 RAKLREIELKVMKFQDELESGKRPKKPGQSFQEVEHYRDKLLQREKEKELERERERDKKDEKLESRSK
 DKKEKDECTPTRKERRRHSTSPSPSRSSGRRVKSPSPKSERSESERSHKESRSRSSHKDSRPDASK
 KAKRSPSGSRTPKRSRRSRSPKKSRSQSRSPHRSHKSKKNKH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9047_d06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001114977

ORF Size: 3087 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_001114977.1](#), [NP_001108449.1](#)

RefSeq Size: 7736 bp

RefSeq ORF: 3090 bp

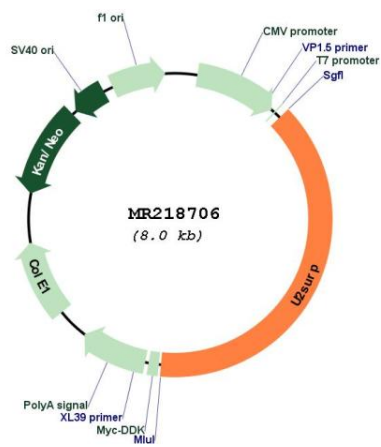
Locus ID: 67958

UniProt ID: [Q6NV83](#)

Cytogenetics: 9 E3.3

MW: 118.7 kDa

Product images:



Circular map for MR218706