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Product datasheet for MR222835

Khsrp (NM_010613) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Khsrp (NM_010613) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Khsrp
Synonyms:	6330409F21Rik; Fbp2; Fubp2; Ksrp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR222835 representing NM_010613
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGGACTACAACACCGGAGGTCCCCCGCCCGGCCCGCCGCCTCCCGCTGGCGGCGGAGGGGGAGCCG
CGGGTGCGGGAGGAGGCCCTCCGCCGGGCCCGCCGGGCGCGGGAGACCGGGGCGGCGGAGGCCCTGGCGG
CGGCGGCCCGGGTGGAGGAGGCGCGTCCGGGGGCCCCTCACAGCCTCCCGGTGGCGGCGGCCCTGGGATC
CGCAAGGACGCCTTCGCCGACGCCGTGCAGCGGGCCCGCCAGATTGCAGCCAAAATCGGAGGTGATGCTG
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CCCCCCAGGACCTCAATGACAGAAGAGTATAGGGTTCCGGATGGCATGGTGGGCTTGATTATTGGCAGAG
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TCCAACCCCCGGCCACCGTCCATCCTGCCTTAGTGGGTAGCGCCGGAAACCCTTTCCCCTGCGGGGTGTG
CCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222835 representing NM_010613
Red=Cloning site Green=Tags(s)

MSDYNTGGPPPGPPPPAGGGGGAAGAGGGPPPGPPGAGDRGGGGPGGGGPGGGGASGGPSQPPGGGGPGI
RKDAFADAVQRARQIAAKIGGDAATTVNNNTPDFGFGGQKRQLEDGDQPDSKKLASQGDSIGSQLGPIHP
PPRTSMTEEYRVPDGMVGLIIGRGGEQINKIQQDSGCKVQISPDSGGLPERSVSLTGAPESVQKAKMMLD
DIVSRGRGGPPGQFHDNANGGQNGTVQEIMIPAGKAGLVIGKGGETIKQLQERAGVKMILIQDGSQNTNV
DKPLRIIGDPYKVQQACEMVMDILRERDQGGFGDRNEYGSRVGGGIDVPVPRHSVGVVIGRSGEMIKKIQ
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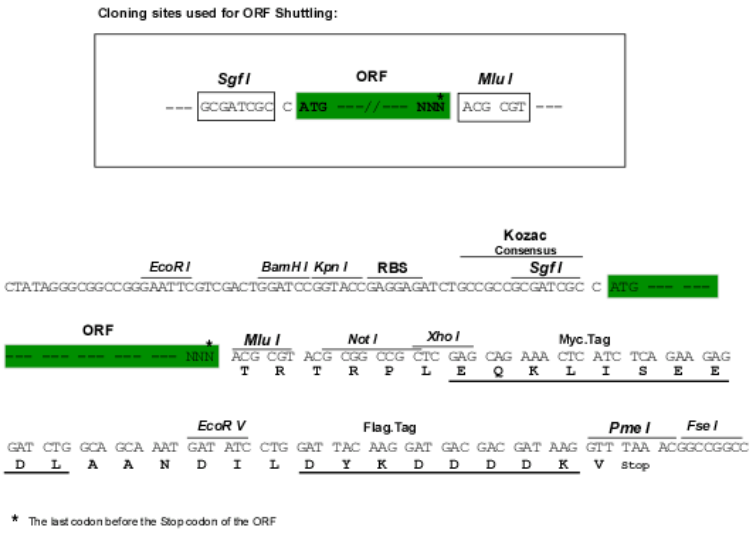
HDPNKAAAAATDPNAAWAAYYSHYYQQPPGPVPGPAPAPAAPPAQGEPPQPPPTGQSDYTKAWEEYYKKI
GQQPQQPGAPPQQDYTKAWEEYYKKQAQVATGGGPGAPPGSQPDYSAAWAEYYRQQAAYYGQTPGPGGPQ
PPPTQQGQQQASGNCHPPPPPFSFQPPATVHPALVGSAGNPFPCGVCP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010613

ORF Size: 2244 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_010613.3, NP_034743.3

RefSeq Size: 4001 bp

RefSeq ORF: 2247 bp

Locus ID: 16549

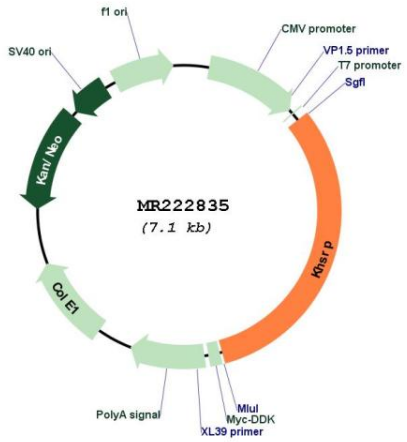
UniProt ID: Q3U0V1

Cytogenetics: 17 29.63 cM

MW: 76.8 kDa

Gene Summary: Binds to the dendritic targeting element and may play a role in mRNA trafficking. Part of a ternary complex that binds to the downstream control sequence (DCS) of the pre-mRNA. Mediates exon inclusion in transcripts that are subject to tissue-specific alternative splicing. May interact with single-stranded DNA from the far-upstream element (FUSE). May activate gene expression. Also involved in degradation of inherently unstable mRNAs that contain AU-rich elements (AREs) in their 3' UTR, possibly by recruiting degradation machinery to ARE-containing mRNAs (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222835