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Product datasheet for MR210497

Htatsf1 (NM_028242) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htatsf1 (NM_028242) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Htatsf1
Synonyms:	1600023H17Rik; 2600017A12Rik; 2700077B20Rik; TAT-SF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210497 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGGCAACAACTTGAGCGGGAACGATGAGTTTGATGAGCAATTGCGAATGCAAGAATTGTATGGAG
GAGACCCCAAGGAAGGTGACACCCAGAATGAGCCCTCTGGAGAAGCCCATTCTTTGGGACAACCACCAGA
TGACACTCCTTACGAGTGGGACCTTGATAAGAAGGCTTGGTTCCCTAAGATCACCGAAGATTTCATTGCT
ACGTATCAGGCTAACTACGGCTTTTCTAGTGATGGTGCATCCAGCTCTACTGCGAACGTCCAGGACGCCA
ACACTAAGGCTGTAGAAGAACCTCCACAAAAAGAAGTCCCGGAGACCCCTGACTCCAAAAGGAAGGGGGA
AAAGAGAAAGGCTGAATCTGGATGGTTCCATGTTGAAGAAGACAGAAATACAAATGTATACGTGTCAGGT
CTCCCTCCAGACATCACAGTGGATGAATTTATTCAGCTCATGTCCAAATTTGGCATTATTATGAGAGATC
CTCAGACTGAAGAGTTTAAAGTTAAACTGTACAAAGATGATCAAGGGAATCTTAAAGGAGATGGGCTTTG
TTGTTATCTGAAGAAAGAATCTGTGGAGCTTGCATTAAAACTTTTGGATGAAGATGAAATTAGAGGCTAC
AAATTGCATGTGGAGGTGGCAAAGTTCCAGCTCAAGGGTGAATACGATGCCTCAAAGAAGAAGAAGAAGT
GCAAAGATTATAAGAAGAAGCTGTCTCTACAACAGAAGCAGTTGGATTGGAGACCTGAGAGACGAGCTGG
ACCAAACCGGCTGCGCCATGAGCGAGTTGTCATTCTCAAAAATATGTTTCACCCCATGGACTTTGAGGAT
GACCCATTGGTACTGAATGAGATCAGAGAAGATCTGCGAGTAGAATGTTCCAAGTTTGGGCAGATTCGGA
AGCTCCTTCTGTTTGATAGACACCCAGATGGTGTGGCCTCTGTGTCCTTCAGAGAGCCAGAGGAGGCTGA
CCATTGTATTCAGACTCTGGATGGAAGGTGGTTTGGTGGCCGACAGATCACTGCTCAAGCCTGGGATGGG
ACTACAGATTATCAGGTAGAGGAGACCTCAAGAGAAAGAGAGGAGCGGCTGAGAGGCTGGGAGGCATTCC
TCAATGCTCCTGAGGCCAGCAGAGGCCTCCGGCGGATGGATTCCATCGCTGGTTCAGAAAGGCCAGGGCC
TTCCAGAATGAGGCATTTTTCAGAGCACCCAAGTATGTCTAATATGAAGGCTCAGGAAGCTACAACTGGA
ATGGCATTTGAAGAAACTATCGATGAAAATAAGTTTGAAAAGGCAGAAGAAGGGGGAGAATCCGAAGGAG
ATGCTTCTGAAAAAGATGCCAAAGAAGGTGGGTCTGATGGGGACCACCCTGAGAGAGAGGGTGGAGAAGG
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ACCGAGGCTCAAGAGAATGGCCCTGAAAGGGAAGCTAGGAAGAAAAGCAAAATGGATTATGAGAAGAATG
GCTTTTCAAAAGAGTCTGAAGACAATGACCTTGGCAAGGAGTCTGAAGGGGAAGACAGCCTCAAGAAAGA
GTCGGAAGATGATGATTCAGAGGAGGAATCTGAGGAAGACAGCTCAGAAAAGCAATCTCAAGATGGCTCT
GACAAAGAAATAGAAGAAAATGGTGTTAAAAAAGATGTTGACCAGGATGTCTCTGACAAGGAGTTCCCAG
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GATGAAGAAGAGGTCGTATATGAAAGGGTTTTTGATGATGATTCTGATGACATTGAGGAGGAAGAAGAAG
CAGATGAAAAGGAGTGTGAAGATGCTGATGACAAAGAGGAAGACAATGATATAGATGAAAAGCTCTTTGA
TGACTCCGATGAGAAGGAAGATGAAGAAGACACAGATGGAAAGAAAGATGATGATGCCAGTGACAAGGTA
TTCGAAGACAATTCCAATGAGAAGTTGTTTGATGAGGAAGAAGGTCCCAATGAGAAGTTGTTTGATGATT
CTGATGAGAGAGGGACTGTGGGGAATGTGAAGGAAGATGGGTCTCAGTCCACAGACAGCAGCTTTGCCCT
CAGTAGTAGTGATGATGATGATGATGAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

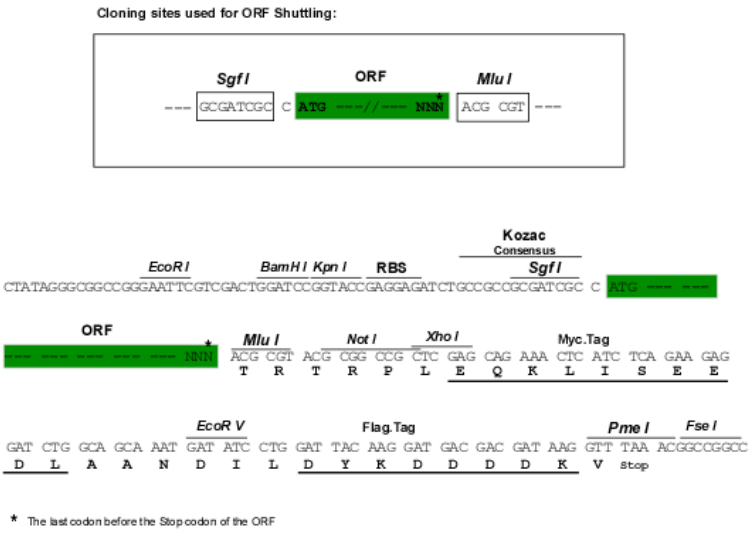
>MR210497 protein sequence
Red=Cloning site Green=Tags(s)

MSGNNLSGNDEFDEQLRMQELYGGDPKEGDTQNEPSGEAHSLGQPPDDTPYEWDLDKKAWFPKITEDFIA
TYQANYGFSSDGASSSTANVQDANTKAVEEPPQKEVPETPDSKRKGEKRKAESGWFHVEEDRNTNVYVSG
LPPDITVDEFIQLMSKFGIIMRDPQTEEFKVKLYKDDQGNLKGDGLCCYLKKESVELALKLLDEDEIRGY
KLHVEVAKFQLKGEYDASKKKKKCKDYKKKLSLQQKQLDWRPERRAGPNRLRHERVVILKNMFHPMDFED
DPLVLNEIREDLRVECSKFGQIRKLLLFDRHPDGVASVSFREPEEADHCIQTLDGRWFGGRQITAQAWDG
TTDYQVEETSREREERLRGWEAFLNAPEASRGLRRMDSIAGSERPGPSRMRHFSEHPSMSNMKAQEATTG
MAFEETIDENKFEKAEEGGESEGDASEKDAKEGGSDGDHPEREGGEGCSKKENEEGCPERALEPEEGNPQ
TEAQENGPEREARKKSKMDYEKNGFSKESEDNDLGKESEGEDSLKKESEDDDSEEESEEDSSEKQSQDGS
DKEIEENGVKKDVDQDVSDKEFPEDVEKESEENETDKSEFDEGSERVLDEEGSEREFEEDSDEKEEEGDD
DEEEVVYERVFDDDSDDIEEEEEADEKECEDADDKEEDNDIDEKLFDDSDEKEDEEDTDGKKDDDASDKV
FEDNSNEKLFDEEEGPNEKLFDDSDERGTVGNVKEDGSQSTDSSFALSSSDDDDDEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_028242

ORF Size: 2274 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_028242.2

RefSeq Size: 2855 bp

RefSeq ORF: 2274 bp

Locus ID: 72459

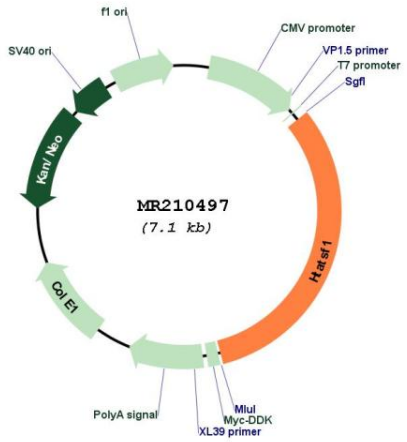
UniProt ID: Q8BGC0

Cytogenetics: X A6

MW: 86.2 kDa

Gene Summary: Functions as a general transcription factor playing a role in the process of transcriptional elongation. May mediate the reciprocal stimulatory effect of splicing on transcriptional elongation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210497