OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR231081

Htatsf1 (NM_029371) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Htatsf1 (NM_029371) 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)

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ORF Nucleotide Sequence:

>MR231081 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGGCAACAACTTGAGCGGGAACGATGAGTTTGATGAGCAATTGCGAATGCAAGAATTGTATGGAG
GAGACCCCAAGGAAGGTGACACCCAGAATGAGCCCTCTGGAGAAGCCCATTCTTTGGGACAACCACCAGA
TGACACTCCTTACGAGTGGGACCTTGATAAGAAGGCTTGGTTCCCTAAGATCACCGAAGATTTCATTGCT
ACGTATCAGGCTAACTACGGCTTTTCTAGTGATGGTGCATCCAGCTCTACTGCGAACGTCCAGGACGCCA
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ACCAAACCGGCTGCGCCATGAGCGAGTTGTCATTCTCAAAAATATGTTTCACCCCATGGACTTTGAGGAT
GACCCATTGGTACTGAATGAGATCAGAGAAGATCTGCGAGTAGAATGTTCCAAGTTTGGGCAGATTCGGA
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ACTACAGATTATCAGGTAGAGGAGACCTCAAGAGAAAGAGAGGAGCGGCTGAGAGGCTGGGAGGCATTCC
TCAATGCTCCTGAGGCCAGCAGAGGCCTCCGGCGGATGGATTCCATCGCTGGTTCAGAAAGGCCAGGGCC
TTCCAGAATGAGGCATTTTTCAGAGCACCCAAGTATGTCTAATATGAAGGCTCAGGAAGCTACAACTGGA
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TTCGAAGACAATTCCAATGAGAAGTTGTTTGATGAGGAAGAAGGTCCCAATGAGAAGTTGTTTGATGATT
CTGATGAGAGAGGGACTGTGGGGAATGTGAAGGAAGATGGGTCTCAGTCCACAGACAGCAGCTTTGCCCT
CAGTAGTAGTGATGATGATGATGATGAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

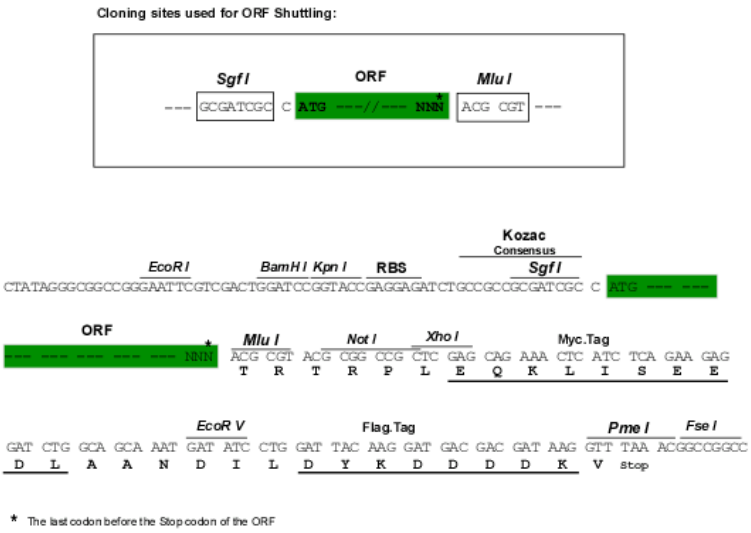
>MR231081 protein sequence
Red=Cloning site Green=Tags(s)

MSGNNLSGNDEFDEQLRMQELYGGDPKEGDTQNEPSGEAHSLGQPPDDTPYEWDLDKKAWFPKITEDFIA
TYQANYGFSSDGASSSTANVQDANTKAVEEPPQKEVPETPDSKRKGEKRKAESGWFHVEEDRNTNVYVSG
LPPDITVDEFIQLMSKFGIIMRDPQTEEFKVKLYKDDQGNLKGDGLCCYLKKESVELALKLLDEDEIRGY
KLHVEVAKFQLKGEYDASKKKKKCKDYKKKLSLQQKQLDWRPERRAGPNRLRHERVVILKNMFHPMDFED
DPLVLNEIREDLRVECSKFGQIRKLLLFDRHPDGVASVSFREPEEADHCIQTLDGRWFGGRQITAQAWDG
TTDYQVEETSREREERLRGWEAFLNAPEASRGLRRMDSIAGSERPGPSRMRHFSEHPSMSNMKAQEATTG
MAFEETIDENKFEKAEEGGESEGDASEKDAKEGGSDGDHPEREGGEGCSKKENEEGCPERALEPEEGNPQ
TEAQENGPEREARKKSKMDYEKNGFSKESEDNDLGKESEGEDSLKKESEDDDSEEESEEDSSEKQSQDGS
DKEIEENGVKKDVDQDVSDKEFPEDVEKESEENETDKSEFDEGSERVLDEEGSEREFEEDSDEKEEEGDD
DEEEVVYERVFDDDSDDIEEEEEADEKECEDADDKEEDNDIDEKLFDDSDEKEDEEDTDGKKDDDASDKV
FEDNSNEKLFDEEEGPNEKLFDDSDERGTVGNVKEDGSQSTDSSFALSSSDDDDDEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_029371

ORF Size: 2271 bp

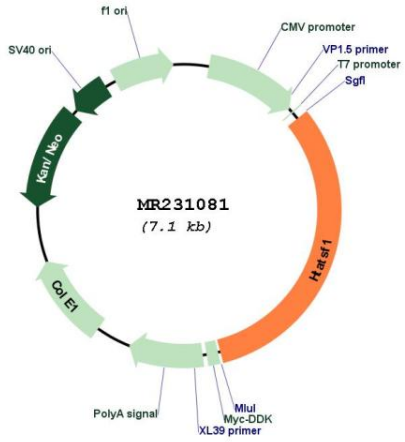
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_029371.1, NP_083647.1
RefSeq Size:	2793 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 MR231081