

Product datasheet for SC333669

HSPC152 (TRMT112) (NM_001286082) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSPC152 (TRMT112) (NM_001286082) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSPC152
Synonyms:	HSPC152; HSPC170; hTrm112; TRM112; TRMT11-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333669 representing NM_001286082. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAACTGCTTACCCACAATCTGCTGAGCTCGCATGTGCGGGGGTGGGGTCCCGTGGCTTCCCCCTG
CGCCTCCAGGCCACCGAGGTCCGTATCTGCCCTGTGGAATTCACCCCAACTTCGTGGCGGTATGATA
CCTAAAGTGGAGTGGTCCGGCTTCTGGAGGCGCCGATAACGTGCCGAAAGGGCCGGTTGAGGGATAT
GAGGAGAATGAGGAGTTTCTGAGGACCATGCACCCTGCTGCTGGAGGTGGAAGTGATAGAGGGCACC
CTGCAGTGCCCGAATCTGGACGTATGTCCCCATCAGCCGCGGGATCCCAACATGCTGCTGAGTGAA
GAGGAAACTGAGAGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001286082
Insert Size:	363 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).



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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_001286082.1](#)

RefSeq Size: 1290 bp

RefSeq ORF: 363 bp

Locus ID: 51504

UniProt ID: [Q9UI30](#)

Cytogenetics: 11q13.1

MW: 13.6 kDa

Gene Summary: Acts as an activator of both rRNA/tRNA and protein methyltransferases (PubMed:25851604). Together with methyltransferase BUD23, methylates the N(7) position of a guanine in 18S rRNA (PubMed:25851604). The heterodimer with HEMK2/N6AMT1 catalyzes N5-methylation of ETF1 on 'Gln-185', using S-adenosyl L-methionine as methyl donor (PubMed:18539146). The heterodimer with ALKBH8 catalyzes the methylation of 5-carboxymethyl uridine to 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in target tRNA species (PubMed:20308323). Involved in the pre-rRNA processing steps leading to small-subunit rRNA production (PubMed:25851604).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.