

Product datasheet for **SC325118**

PHF22 (INTS12) (NM_001142471) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF22 (INTS12) (NM_001142471) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHF22
Synonyms:	INT12; PHF22; SBB122
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC325118 representing NM_001142471.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGCTACTGTGAACCTGGAACCTTGATCCCATTCTTTTGAAGCACTAGGTTTCTTGCAATCAAAG
AGTAAAGATTCTGCTGAAAAGCTAAAAGCACTGCTTGATGAATCTTTGGCTCGGGGCAATTCCAGT
TACCGTCCATCTCAAAAGGATGTGGAGCCACCCAAAATTTCAAGCACAAAAACATTTCCATTAAGCAA
GAGCCCAAAATATCATCCAGTCTTCCTTCTGGTAATAAATGGCAAGGTCTCACAACCTGAAAAGGTA
AAGAAGGAAGCTGAAAAGAGACCTGCTGATAAAATGAAATCAGACATCACTGAAGGAGTTGATATCCA
AAGAAACCTAGATTGGAGAAACCAGAAACACAGTCATCTCCATTACTGTCCAAAGTAGCAAGGATTTA
CCTATGGCTGACCTTTCCAGTTTGGAGAGACCACTGCTGATGATTTGCCATGGAGATGGGATTGGCC
TGCGTTGTTTGTAGGCAATGATGGTGGCATCTGGCAATCAATTAGTAGAATGTCAGGAGTGCCATAAT
CTCTACCACCGAGATTGTCATAAACCCAGGTGACAGACAAGGAAGCGAATGACCCTCGCCTGGTGTGG
TATTGTGCCCGATGTACCAGACAAATGAAAAGAATGGCTCAAAAACTCAGAAACCACCGCAGAAACCA
GCCCTGCAGTTGTTTCTGTAACCTCCAGCTGTCAAAGATCCATTGGTTAAGAAACCAGAACTAACTG
AAACAAGAGACAACCTTTCTAGCGTTTAAAGAGAACAGAAGTCAAGACATCCACAGTTATTTCAAGAAAT
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ACTTCTCTGCTGGTCTTCAACAGCAAAATGAGTTCAACAACACAAAAAATACTGGGAAACCTGCT
ACTTCGTCAGCTAACCAGAAACCTGTGGGTTGACTGGTCTGGCAACATCATCAAAGGTGGAATAGGT
TCCAAAATAGGTTCCAATAACAGCACTACGCCCACTGTACCTTTAAACACCTCCACCTCTAACCTTG
GGTAAACTGGCCTTAGTCGCTCAGTTAGTTGTGACAATGTCAGCAAGTAGGTCTTCTAGTCCAAGT
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AGTACTACCAGCAAACTACTTCAGAATCCAGCAGCTCTCCCTCAGCATCCCTTAAAGGCCCACTTCA
CAAGAATCACAGCTCAATGCTATGAAGCGATTACAGATGGTCAAGAAGAAAGCTGCCCAAAAGAACTC
AAGAAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001142471

Insert Size: 1389 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001142471.1</u>
RefSeq Size:	1606 bp
RefSeq ORF:	1389 bp
Locus ID:	57117
UniProt ID:	<u>Q96CB8</u>
Cytogenetics:	4q24
Protein Families:	Druggable Genome, Transcription Factors
MW:	48.8 kDa
Gene Summary:	INTS12 is a subunit of the Integrator complex, which associates with the C-terminal domain of RNA polymerase II large subunit (POLR2A; MIM 180660) and mediates 3-prime end processing of small nuclear RNAs U1 (RNU1; MIM 180680) and U2 (RNU2; MIM 180690) (Baillat et al., 2005 [PubMed 16239144]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (2) omits an alternate exon in the 5'UTR. Variants 1 and 2 encode the same protein.