

Product datasheet for **RG227792**

PHF22 (INTS12) (NM_001142471) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF22 (INTS12) (NM_001142471) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHF22
Synonyms:	INT12; PHF22; SBB122
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG227792 representing NM_001142471
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCTACTGTGAACCTGGAACCTGATCCATTTTTTTGAAAGCACTAGGTTTCTTGCAATCAAAGA
 GTAAAGATTCTGCTGAAAAGCTAAAAGCACTGCTTGATGAATCTTTGGCTCGGGGCATTGATTCCAGTTA
 CCGTCCATCTCAAAGGATGTGGAGCCACCCAAAATTTCAAGCACAAAAAACATTTCATTAAGCAAGAG
 CCCAAAATATCATCCAGTCTTCTTCTGGTAATAATAATGGCAAGGTCTCACAAGTAAAGGTAAGAA
 AGGAAGCTGAAAAGAGACCTGCTGATAAAATGAAATCAGACATCACTGAAGGAGTTGATATTCAAAGAA
 ACCTAGATTGGAGAAACCAGAAACACAGTCATCTCCATTACTGTCAAAGTAGCAAGGATTTACCTATG
 GCTGACCTTTCCAGTTTGGAGAGACAGTCTGATGATTTTCCATGGAGATGGGATTGGCCTGCGTTG
 TTTGTAGGCAAAATGATGGTGGCATCTGGCAATCAATTAGTAGAATGTGAGGAGTCCATAATCTCTACCA
 CCGAGATTGTCATAAACCCAGGTGACAGACAAGGAAGCGAATGACCCTCGCCTGGTGTGGTATTGTGCC
 CGATGTACCAGACAAATGAAAAGAATGGCTCAAAAACTCAGAAACCACCGCAGAAACCAGCCCCGCGAG
 TTGTTTCTGTAACCTCCAGCTGTCAAAGATCCATTGGTTAAGAAACCAGAACTAACTGAAACAAGAGAC
 AACTTTTCTAGCGTTTAAAGAGACAGAAGTCAAGACATCCACAGTTATTTAGGAAATCTTCTAGTGCC
 AGCGTTTCTCTGTCAGTAACTAGTGGCTTAACTGGATGGGCGAGCTTTGCAGCCAAAACCTCCTCTGCTG
 GTCCTTCAACAGCAAAATTGAGTTCAACAACACAAAACAATACTGGGAAACCTGCTACTTCGTCAGCTAA
 CCAGAAACCTGTGGGTTTGACTGGTCTGGCAACATCATCAAAGTGGAATAGGTTCCAAAATAGGTTCC
 AATAACAGCACTACGCCCACTGTACCTTTAAACCACCTCCACCTCTAACCTTGGGTAAAACCTGGCCTTA
 GTCGCTCAGTTAGTTGTGACAATGTCAGCAAAGTAGGTCTTCTAGTCCAAGTAGTTTAGTTCCAGGAAG
 CAGCAGCCAACTAAGTGGGAATGGAAATAGTGGAACATCAGGACCTAGTGGAAAGTACTACCAGCAAACT
 ACTTCAGAAATCCAGCAGCTCTCCCTCAGCATCCCTTAAAGGCCCAACTTCACAAGATCACAGCTCAATG
 CTATGAAGCGATTACAGATGGTCAAGAAGAAAGCTGCCAAAAGAACTCAAGAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG227792 representing NM_001142471
 Red=Cloning site Green=Tags(s)

MAATVNLELDPIFLKALGFLHSKSKDSAEKALKALLDESLARGIDSSYRPSQKDVEPPKISSTKNISIKQE
 PKISSSLPSGNNNGKVL TTEKVKKEAEKRPADKMKSDITEGVDIPKKPRLEKQSPITVQSSKDLPM
 ADLSSFEETSADDFAMEMGLACVCRQMMVASGNQLVECQECHNLYHRDCHKPQVTDKEANDPRLVWYCA
 RCTRQMKRMAQKTQKPPQKPAPAVVSVTPAVKDPLVKKPETKLKQETTFLAFKRTEVKSTSTVISGNSSA
 SVSSSVTSGLTGWAFAAKTSSAGPSTAKLSSTTQNTGKPATSSANQKPVGLTGLATSSKGGIGSKIGS
 NNSTTPTVPLKPPPLTLGKTGLSRVSCDNVSKVGLPSPSSLVPGSSSQLSGNGNSGTSGPSGSTTSKT
 TSESSSSPSASLKGPTSQESQLNAMKRLQMVKKKAAQKKLKK

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001142471

ORF Size: 1386 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_001142471.1](#), [NP_001135943.1](#)

RefSeq Size: 1606 bp

RefSeq ORF: 1389 bp

Locus ID: 57117

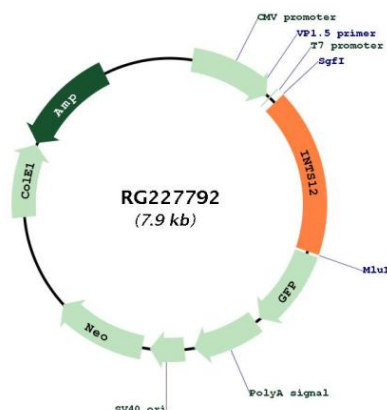
UniProt ID: [Q96CB8](#)

Cytogenetics: 4q24

Protein Families: Druggable Genome, Transcription Factors

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]

Product images:



Circular map for RG227792