

Product datasheet for **RN215552**

Ints12 (NM_001007640) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ints12 (NM_001007640) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ints12
Synonyms:	Phf22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215552 representing NM_001007640
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTGCCACTGTGAACCTGGAACCTCGATCCCATTTTTCTGAAAGCACTAGGTTTCTTACACTCGAAGA
 GTAAAGACTCCGCTGAAAAGCTGAAAACACTGCTCGATGAGTCTCTGGCTCGGGGCATCGACGCAAGTTA
 CCGTCCAGCTCAAAGGATGTGGAACCGCCCAAAATTTCAAGTACAAAATCGCTTTCTATTAAGCAAGAG
 CCAAAACATCATCCAGCCTCCCTTCTGGCAGTAGTAACGGCAAAGTCTCGCGGCTGAGAAGCTAAAGA
 AAGAAGCCGAGAAGAGACCTGCGGACAAAATGAAAGATGCCACTGAAGGAGTTGATGTTCCAAAGAAACC
 TAGATTGGAGAAACCAGAGACACGATCCTCTCCCATCTGTCCAGACCAGCAAGGACTTAGCTATGGCT
 GACCTCTCCAGCTTTGAAGAGACCAGTGCTGATGACTTTGCCATGGAGATGGGATTGGCCTGTGTTGTCT
 GTAGACAAATGACGGTGGCATCTGGAAACCAATTGGTTGAATGTCAAGAGTGTCAACCTCTACCACCA
 AGACTGTCATAAGCCCCAAGTGACAGACAAAGAGGTCAATGACCCTCGCTGGTGTGGTATTGTGCCCGA
 TGCAACGACAAAATGAAGAGAATGGCTCAGAAAACCTCAGAAGCCACCACAGAAACCGGCACCCACTGTTG
 TTTCTGTGGCTCCGACTGTCAAGGATCCATTAGTTAAGAAGCCAGAAACCAAACTTAAACAAGAGACAAC
 CTTCTAGCATTCAAGAGAACTGAAGTTAAGCCGTCCACAGTTATTTCTGGAAATTTCTTCTAGTAACAAC
 GTGTCTCTTTCAGTAAGTGGCTAACTGGATGGGCAGCTTTTGGGCCAAAACCTTCTCAGCTGGTC
 CATCAACAGCAAAATGAATTCAACAGCGCAAAACAGTAGTGGAACCTGCTGCCTCATCTGCTAGCCA
 GAAGCCTGTGGGTTTGAAGTGGTCTGGCAACGTCATCCAAGGTGGAATAGGTTCCAAAATAGGTTCTAGT
 AACAGCACTAGCCCTCTGTCCCGTTGAAACCGCTTCTCCTCTAACCTTAGGCAAGACTGGCCTGAGTC
 GCTCAGTTAGTTGTGACAACGTCAGCAAGTGGGACTTCTAGCCCTAGTAGTTTAGTTCTGGAGGCAG
 CAGCCAATTGAGTGGAATGGAATAGTGCCACAGCTGGGCCCACTGGAAGCATCACCAGCAAAACACACA
 TCAGAGACCAGCAGCAGCAGCTCAGCGTCTCTTAAGGTCCAACCTCCAGGAATCTCAGCTCAACGCAA
 TGAACGATTACAGATGGTCAAGAAGAAAGCTGCCCAAAAGAACTCAAGAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001007640

Insert Size: 1386 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).

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_001007640.1](#), [NP_001007641.1](#)

RefSeq Size: 1566 bp

RefSeq ORF: 1386 bp

Locus ID: 295448

UniProt ID: [Q68FR3](#)

Cytogenetics: 2q43

Gene Summary: Component of the Integrator complex, a complex involved in the small nuclear RNAs (snRNA) U1 and U2 transcription and in their 3'-box-dependent processing. The Integrator complex is associated with the C-terminal domain (CTD) of RNA polymerase II largest subunit (POLR2A) and is recruited to the U1 and U2 snRNAs genes. Mediates recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the INT complex.[UniProtKB/Swiss-Prot Function]