

Product datasheet for **MC205568**

Zfp598 (NM_183149) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp598 (NM_183149) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp598
Synonyms:	BC023040; Ntrap; Znf598
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC050859
CCGGCCATGGCGGCGGGCGGGCGCCGAGGGGCGGCGCGGGCTCTGGAGGCGGTGGCAGCGCCGGAGC
GGGGCGGCGGGAGCTGCGTGTGTGTGCTGCGGTGACCTGGAGGCTACGGCGCTGGGCCGCTGCGATCACCC
GGTGTGTACCGGTGCTACCAAGATGCGGGTGTGTGCGAGCAGCGCTACTGCGCCGTGTGCCGCGAG
GAGCTGCGCCAGGTGGTCTTTGGGAAGAACTCCCTGCTTTTGCCTGATCCCCATCCATCAGCTCCAAC
ACGAGAAGAAATATGACATCTATTTTGCAGATGGAAGGTGTTTGATTGTACAGGCAGCTGCTGCAGCA
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ACTCACGCAAGGACCTGGCTCGACACCGTATGCAGGGTACCCTGATGATACATCCCATCGGGGACATCC
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CACCGAGATCGACCTCAAGGCTCATAAAACAGCTTGCCACAGCCGAGCCGGGCCAGGCACGCCAGAAC
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GAGAACC CGCGGGAAGCTGGAGGTACAAGAGGGAAGAAGAAGACCAGAAAGTGGCAGCTGCTATCCGG
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TACCCCAAAGCCCTCGGGGCTGAGCAGGTCTGGAAGCCCTTTGAGCAAAGCTGAAGTCCAGTAACC
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CAAGGCCCTCGTCCCCTCCCCTGCCCATACCACAGGAGGACTTTCAGCTCTCGGAGGCCCTGTGCC
ACCCAGGATGCCTCCTCCCCAGGCTTACGACCGTGGTACTCTTGAAGGGCACACCACCTCCACCCCA
CCCCACCCGGCCTGGTGCCTCCCATCAGCAAGCCACCCCTGGCTTCTCTAGTCTTCTGCCAGCTCCC
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TGCAGTCGTGAGAAGCCTCCCAACTCCAGATCTAAGAGGAACAAGAAGAATGTGTGGCAGACCAGCACC
AACAGTTGGCCCTGGACTGCTGTGTGTGCCCCACCTGCCAGCAGTACTGGCACACGGTGACGTGAGCAG
CCACCAGGCACTGCACGCTGCCCGGACGATGACTTCCCCTCCCTTCAAGCCATTGCCAGGATCATTACG
TAGCTGTGCTGGTGGGGCAGGAGCTGTACACCCTAGCGCCTCCTTTCTCCTTCTCCCTTCTCCAG
CTGCTTGGCCCTGGTAGGGCCCTGGGAAGGCCAAGGCCAGGCCTCCTGGTTAGCCAGGCCTGCCAGGTG
GACATCAGGAAAGGTCTACCCTGTGACCCGTCCTCATAAGTTCTGTCCCATGCTTGGCTGAGGGTCAGT
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TCAAATTCCTCTGACATTTTATAAAAGACAGTTTATCTTCAAATAAATTTATTTTCAGTACTGCAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:

RsrII-NotI

ACCN:	NM_183149
Insert Size:	2727 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:	<ol style="list-style-type: none">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:	BC050859 , AAH50859
RefSeq Size:	3323 bp
RefSeq ORF:	2727 bp
Locus ID:	213753
UniProt ID:	Q80YR4
Cytogenetics:	17 A3.3
Gene Summary:	<p>E3 ubiquitin-protein ligase that plays a key role in the ribosome quality control (RQC), a pathway that takes place when a ribosome has stalled during translation. Required for ribosomes to terminally stall during translation of poly(A) sequences by mediating monoubiquitination of 40S ribosomal protein RPS10/eS10, RPS20/uS10 and RPS3/uS3. Stalling precludes synthesis of a long poly-lysine tail and initiates the RQC pathway to degrade the potentially detrimental aberrant nascent polypeptide. Also acts as a component of the 4EHP-GYF2 complex, a multiprotein complex that acts as a repressor of translation initiation. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). COMPLETENESS: complete on the 3' end.</p>