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Product datasheet for MC205908

Fastkd2 (NM_172422) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fastkd2 (NM_172422) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fastkd2
Synonyms:	2810421I24Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC057208
GGACAGTCCACAGCATGTGCTCTTTTTTAGAAAGACGGCAACTTGCGTTGCATCTTGGGTATTTGAAAGT
GTGCCAATAGATAGCAGAATGAATAGCAAAGCACGTTCCTTGTTATGGACCATCCGACGATTCAGTACGT
TACTTCCAAGAAGCAGAGCTTTGAGGATAGATCCATTGGGAACTTGCAGACCAGAGGTTATTCATTCAAA
ATGGAACCCAAGAAACCATCGGCTAAATGTTTTTGATGAGGGATTGCAACCATCTGTTAGATACCTCTTT
CAGGATATATTTATTTCTAAATCAGTAGATGGTTGTATTCAAACTAAAGGCATAAGCCATTCAGCCGTTT
TTAAACCTGATAGGCTGCTTTGTCCTAGAAGACTGTCCTTTGATGCAAAACATTCTTTTGTCTCTGATGG
GACATCTGATCATGATTTAAAGAAAATAAACTTTCATCATACCTCCAGTGAAGATGTGTTCACCAAGAAA
GTAAGACCAACCCCTGTGAATTATAAAAAGCTAGCCCAGGAGTGTAACTCTCTGAGTGATGTGCTGGACA
CATTTTCAAAAGCACCTACATTTCCTGGTAGTAACTATTTCTTAGCAATGTGGATAATTGCCAAAAGGAT
ATCTGAAGACAAGAGGCGCTTTGAGAGACAGCTGATGTTCAGTCACCCTGCCTTTAACCAGCTGTGTGAG
CAGATGATGAGAGAAGCCAAGATTATGCACTATGACCACCTCTTGTTCAGCCTTAATGCTATAGTGAAGC
TGGGAATCCCTCAGAACACTCTTATGGTACAGACTTTGCTGAGGACGATTCAGGAGCGCATCAATGAGTG
TGATGAGAGATGTCTTTCAATTTTGTCAACCGCTTTAGTGTCAATGGAGCCATGCATGAATGTGAATGCG
CTTCGAGCAGGGTTGCGAATCCTAGTTGATCAGCAAGTTTGGAACATAAAACATGTCTTCACCTTACAAA
CAGTGATGAAATGTATTGGGAAAGACGCACCATCTGCACTTAAGAAGAAATTGGAGATGAAAGCCTTGAA
GGAGTTAGGCAGATTTTCCATCTTGAATAGCCAGCACATGTTTGAAGTCTTAGCAGCTATGGATCTCCGC
TCTGTTGTCCTTCTGAATGAATGCAGTAAGGTTGTCATAGATAATGTCCATGGGTGTCCTTTTAAAGTAT
TGATCAGCATACTGCAGTCCTGTAGAGACCTCCGATACCAAAATGAAGATCTCTTCAAAAGCATAGCAGA
ATATGTGGCTACAACCTTTGACATCTGGAAGTTGAAACAAGTTATCTTTTTCCTCTTATTATTTGAAACT
CTTGGTTTTCGACCTCCTGGTTTGATGGACAAGCTTATGGAGAAAGTAGTACAGGAGCCTGGCTCTCTAA
ACGTGAAGAACATCGTTTCTATCCTGCATGTGTATTCTTCTCTCAATCATGTTCACAAAATCCACAACAG
AGAGTTCCTAGAAGCTCTGGCGAGTGCTCTGACTGGCTGTCTTCACCACATTTCTTCTGAAAGCCTGTTG
AATGCTGTGCATTCGTTTTGCATGATGAATTATTTCCCTCTGGCCCCTATTAACCAGCTTATCAAAGAGA
ATATCATCAACGAACTGCTGACTTCGGGTGACACAGAGAAGAATATTCATAAGCTTCATGTTTTGAATAC
TTGTCTGAAACTTGATGAAAGTACTTACAAATCTGTGCACATACCGTTGCCACAGCTGCCACTGTCAGCA
TCACAGCCAAACGAGAAGCTTGCAGAGGTCCTCAGCAGGCTTCTGGAAGGGGAAGGACGCTTCTCGAGAA
ATGTGCCATTGCCACATAATTATCACATTGATTTTGAAATCAGAATGGATACTAACAGGACCCAAGTATT
TTCATTTTCTGATGTAGATGCAAGTTCTGCCACAAACATGCAGAGAGTAGCAGTGCTGTGTGTTCCTAAG
TCTGTTTACTGTTTAAATTCATGCCACCCCAGAGGATTGATGGCCATGAAAATCCGACATTTGAATGTAA
TGGGCTTCCATGTGATCTTGATCCATAACTGGGAGCTGAAGAAACTAAAGATGGAGGATGCGGTCACATT
TGTGAGGAAGAAGATCTATTCAGATGAAGTGCTTCCCACTGCTGACACAACCGTGTAAAGCTTGACTACA
TCAGAACACACAGTTGTAAAATGATTTTAATAAAGGCTGTGATTCAGTTAAAAAAAAAAAAAAAAAAAAA AAA

Restriction Sites: RsrII-NotI

ACCN: NM_172422

Insert Size: 2070 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:	BC057208, AAH57208
RefSeq Size:	2243 bp
RefSeq ORF:	2070 bp
Locus ID:	75619
UniProt ID:	Q922E6
Cytogenetics:	1 C2
Gene Summary:	Plays an important role in assembly of the mitochondrial large ribosomal subunit. As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt-rRNA), controls 16S mt-rRNA abundance and is required for intra-mitochondrial translation.[UniProtKB/Swiss-Prot Function]