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Product datasheet for RN209837

Eif2b5 (NM_138866) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif2b5 (NM_138866) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Eif2b5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>RN209837 representing NM_138866
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCCACTGCGGCGGTTCCCAGCGCTGTAGGCGGCCGAGCGAACAAACGCGGCGGCGGCTCCGGCG
GCGGTGGAACCCAAGGTGCGGAGGAGGAGCCGCCGCCGCCCCTCCAGGCAGTTTTAGTGGCCGATAGCTT
CGACCGCCGCTTCTTCCCCATCTCCAAGGACCAGCCTCGGGTCCTATTGCCCCTGGCTAATGTCGCGCTG
ATCGACTATACTCTGGAATTCTTGACTGCCACGGGTGTACAGGAAACATTTGTCTTTTGCTGCTGGAAGG
CTGCTCAGATCAAAGAACACTTACAGAAATCCAAATGGTGCCATCCTACGTCCCTCAATGTTGTTCGAAT
AATCACATCAGACCTGTACCGATCACTAGGAGATGTCCTCCGTGATGTCGATGCCAAGGCCTTGGTGCGC
TCTGATTTCCTCCTGATATATGGAGATGTCGTCTCAAATATCAATATTTCCAAAGCCCTGGAGGAACACA
GGTTAAGAAGGAAGCTAGAAAAAAATGTGTCTGTCATGACAATGGTGTTCAAAGAGTCCTCACCCAGTCA
CCCTACACGCTGCCATGAGGACAATGTGGTGCTAGCTGTGGATAGCACCACAAACAGGATTCTTCACTTC
CAGAAGACCCAAGGCCTCCGCCATTTCTCCTTTCCTTTGGGCCTATTCCAGGGCAGTCTAGACGGAGTGG
AGATTCGATATGACTTGTTGGATTGTCACATCAGCATCTGCTCTCCTCAGGTAGCTCAGCTCTTCACAGA
CAACTTTGACTACCAAACTCGAGATGATTTTGTGCGAGGCCTGCTAGTGAATGAGGAGATCCTAGGAAAT
CAGATTCACTTGCATGTGACAAGTAGGGAATATGGTGCCCGGGTCTCCAACCTACACATGTACTCAGCTG
TCTGTGCTGACGTCATCCGCCGATGGGTCTACCCTCTTACTCCAGAAGTCAACTTCACTGACAGCAGTAC
ACAAAGCTACACTCATTCCCGACACAACATCTACCGAGGGCCTGAAGTCAGCCTGGGCCACGGCAGCGTC
CTGGAGGAAAACGTGCTTCTGGGAGCTGGCACTGTCGTTGGCAGCAACTGCTCCATCACCAACAGTGTCA
TTGGCCCTAACTGCCACATTGGTGATAATGTGGTACTGGACCAGGCCTACCTGTGGCAGGGAGTTCGAGT
GGCTGCTGGAGCACAAATACACCAGTCTCTGCTCTGTGACAGAGCTGAGGTCAAGGAGCGAGTCATACTG
AAGCCACACTGTGTCCTCACTTCCCAGGTGGTAGTGGGCCCAGACATCATACTGCCCGAGGGCTCGGTGA
TCTCTTTGCACCCTCCAGATGCAGAGGAAGATGAAGATGATGGCCAGTTTAGTGATGATTCTGGCGCTGA
CCAAGAAAAGGAGAAAGTGAAGCTGAAAGGTTACAATCCGGCAGAAGTTGGCCCTGAAGGCCAGGGATAC
CTCTGGAAAGCTGAGGATGTGGATGAGAAGGAAGATGAAGAGCTGCGGCAGAGTCTCTGGGGACTCATGA
TCAATATGGAGGAGGAAAGTGAGACGGAAAGTGAGCGGAGCGTGGATCCCGAGGAGCTGGACAGCCGAGC
AGGCTCCCCTCAGCTGGATGACATCAGAGTTTTCCAGAACGAGGTCTTAGGAACGCTGCAGCGGGGCAGA
GAGGAGAACATCTCCTGTGACAATCTAGTCCTGGAGATCAACTCCCTCAAGTATGCCTACAACATTAGCC
TAAAGGAAGTGATGCAGGTCCTGAGCCATGTGGTCCTGGAGTTCCCCCTGCAACAAGTAGATGGCGTGCT
TGACCCAAACCGCTACTGTGCCCTGCTGCTTCCTCTGCTCAAAGCCTGGAGCCCTGTTTTTCGGAACTAC
ATAAAGCGCGCAGCTGACCATTTGGAAGCATTGGCGGCCATTGAGGACTTCTTCTTGGAACATGAAACTC
TTGTTCCTTCCCTGGCCAAGGTCCTGATGGCTTTCTACCAGCTGGAGATCTTGGCTGAGGAAACAATCTT
GAGCTGGTTCAGCCAAAGAGACATAACTGACAAAGGCCAGCAGTTACGTAAGAATCAACAGCTGCAGAGG
TTCATCCAGTGGCTGAGAGAGGCAGAAGAGGAGTCATCTGACGATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_138866

Insert Size: 2151 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_138866.2, NP_620221.2
RefSeq Size:	3147 bp
RefSeq ORF:	2151 bp
Locus ID:	192234
UniProt ID:	Q64350
Cytogenetics:	11q23
Gene Summary:	subunit of eukaryotic initiation factor-2B, which plays a role in eukayrotic initiation factor 2 (eIF-2) recycling in translation initiation [RGD, Feb 2006]