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Product datasheet for MC203469

Ranbp3l (NM_198024) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ranbp3l (NM_198024) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ranbp3l
Synonyms:	C130037N17Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC058706 TTTTGAACATTCTAAAAGGGGAAAGGTCCAGGGCGCTTTAAAATAAACTAAGAGTTAAGTCGTGTTTCCA GCCAAATAAGCTGGCATCTTTGTAGGCAGGAGGTGCGATACTGGTAAATATTTACTGCAGAATTCTTGAC CAGTAGAAACCCTGGCATGCTTTTCGAGGAGTAAATGTTTTACATGCGAGGCGAGATCTGCGCGTGCCTC TGTGTTCTTTCCAAGTAACTTCTGAAGACAGTTTTTGATGTCTGGCTAAGACAAACTGCGCTAGTGGTCC CCGAGTCACAGCCAGATCGTTGGTACCATGTCTACAACACAAAGGAAAGACGACAGCCACCTGTTCACCA GTTCGTGCACGCGTCAGCTGCAGGTGCAGGAGGATCGGCAACAGCAAGAAAAATATGTCATTGCTCAGCC AATATTTGTTTTTGAGAAAGGAGAACACAATTTTAAGAGACCTGCAGAAGACAGCCTGGAAGAAACGGCA GAGCCTGAATTCACTGGTTTCTTGAGAAAGCGTGTAAGGTCTTCATCTGTTACGCTTCATACTACAGATC CTCAGTCTCAAGGAGTGGCAACTTTGTCTCAAACGCGTCTGAGGTCCTCGTCATTCACTGATGTCCCGAC CTTCCCTCCATGCAGGCCAGTGAGGAAAAACAATGTTTTTATGACATCACGTCTGCTGCAAAGGAGTGAT GACATGAACAACGTAGAGCAAGGACCCCCCATGAGATCTTCTGAACAGGTTCTAAGACCCGCTGTTCTGC AGCCGTCTCAAACTCAGAGTTGTCAGAAAGCAGGCACAACATTTGGGCCCGGTGCATTGAAATCCTACAA AACTAAGGAAAAGGCCGAGCACGAGATTTCTGAAGTTGGAAGTTCCTCTAGTTTACTAAGTGAAAATTTA CCAAATGCCAGAAGCTCAATCCAGCTGTCTACTGATCCATGCATCTCAGAGGCACCATCGGGATGCCAAC CAAAGGAAGATAAGTGTTCTTTTACAAGCTGCAGTTCTGACTTCGTTTTTGGAGAAAACATGGTAGAAAG AGTTTTGGGCACTCAAAAACTTACTCAGCCTCCACTTCAAAATCTTTCATATGCCAAGGAAAAAACATTC AAATCTGTTCTGAAATTCCCTAATGCTGTTTCAAATTCAGACTCTATTGAAAACATATCCCTAGTCGAAT CAGCTGCTGCTTTTTCCTCCAAACCATCACAAAAATGCTTGCTTGAGAAGATTGATGTTATAACAGGAGA AGAAACTGAACATAATGTGTTAAAGATCAACTGCAAGATCTTTGTATTCAACAAAGCCACAGAATCCTGG AGTGAAAGAGGCCAAGGGATTTTGCGACTGAACGACACGGCCGGCCGAGAGTGTGGAACACTGCAGTCAA GACTAATCATGCGCAACCAAGGCAGTCTGAGGCTGGTCCTCAACAGCAGACTCTGGGCTCAGATGAAGAT TCAAAGAGCAAGTCAGAAAAATTTGCGAATAACTGCGACTGATTTAGAAGACGATGGTATAAAAATATTT TTAATTCAGGCTAGTGCCAAAGATACAGGCTTTCTGTATGCAGCAATCCACCACCGTCTGGTCGCGCTTC GAAGCCTCGCTAAGCAGGGTGACGGTGGTCCAGCCGAAAGCCAGTCCGATACAGCCCTCCCTCAGCTCAA TGGCGAGAGCTGTGACGAGGATGAGGATGAGATCGCACAAGTCACTAAAAATGGATCAGATCCTTCAAGG TGGAGCCACAGACAGTCAATTGTCTGTTCATAAACCCTCTCTGCTATAAACATGACATCTACAGAAAGAG

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TGGCCACTCTATTGAAAGGCAAGACCATCCTAACTGAGAAGACTCTACTCATTCATACCTTAAAGAGTTT
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TCTGGATTTCCATATAAGCTATTTTTTATTAAAATCTGATAAACTGATTTCCAAATTTATTACATATGTA
TCTAAATTTATATTGAATTATATATCTTATATAAAGATAATCTAAATATTGTCTTTCAATAGTATTTACT
CTAATTGTTTAGCATAATTGATGAATCATTAAAACATTTCCTGCTACAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_198024

Insert Size: 1476 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).

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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:	BC058706, AAH58706
RefSeq Size:	4128 bp
RefSeq ORF:	1476 bp
Locus ID:	223332
UniProt ID:	Q6PDH4
Cytogenetics:	15 A1
Gene Summary:	Nuclear export factor for BMP-specific SMAD1/5/8 that plays a critical role in terminating BMP signaling and regulating mesenchymal stem cell differentiation by blocking osteoblast differentiation to promote myogenic differention. Directly recognizes dephosphorylated SMAD1/5/8 and mediates their nuclear export in a Ran-dependent manner.[UniProtKB/Swiss-Prot Function]

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