

Product datasheet for RN207203

Cd320 (NM_001014201) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd320 (NM_001014201) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cd320
Synonyms:	RGD1305860
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN207203 representing NM_001014201 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGGTGCGGAGCTGGGCGGGCAGCCGCCCTGGGCCTGGTGTGCGGCTGCTCTTGGGTCTTAGAA
CAGGTCCCAGGGCCGCTCCGGCTCCAACCTCGGCTCCGGCCCATACCCTAGTCCAAGTCTCGGGCCCTAG
AGCTGGCTCTGCCAACAGACACCTTCAAGTGTCTTACCAGTGGCTACTGTGTGCCCTCTCTGGCGC
TGCATGGGACCGGATTGCTCTGATGGCAGTGACGAGGAAGAGTGTAGAATTGAGCCATGTGCTCAGA
ATAGGCAGTGCCAGCCACAGCCTGCCCTCCTTGTCTGTGACAACATCAGTGGTTGCTCCGCTGGCTC
AGACAAGAACCTCAACTGTAGCCGCTCACCTGTGAGGAGGGCAGCTGGTTGCATACTGGATGATGTC
TGTATCCACACACGTGGCGCTGTGATGGCCACCCAGACTGTCCTGACTCCAGTGTGAGCTCAGCTGTG
ACACCGACACAGAACTGACAAGATATCCAGGAGGAGAAATGCCACAACCTCAATGTCTTCTATGATTGT
GGAGAAAGAGACCTCTTTCAGAAATGTCACAGTTGCTTCTGTGGCACCATCCCGAAACCCAAATGCC
TATGGGTTATCGCAGCTGTGGGTGTTGAGTGCCATCTGGTTTCAGCTACCATTCTCATATTGCTAC
GACTCAGAGGTCAGGGTTATCTACCCCAACAGGGCTGTTGGTGGCTGTGAAGGAGTCGCTGCTGCTGC
AGAAAGGAAAACCTCTTTGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001014201
Insert Size:	795 bp



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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:	NM_001014201.1 , NP_001014223.1
RefSeq Size:	1192 bp
RefSeq ORF:	795 bp
Locus ID:	362851
UniProt ID:	Q5HZW5
Cytogenetics:	7q13
Gene Summary:	Receptor for transcobalamin saturated with cobalamin (TCbl). Plays an important role in cobalamin uptake. Plasma membrane protein that is expressed on follicular dendritic cells (FDC) and mediates interaction with germinal center B cells. Functions as costimulator to promote B cell responses to antigenic stimuli; promotes B cell differentiation and proliferation. Germinal center-B (GC-B) cells differentiate into memory B-cells and plasma cells (PC) through interaction with T-cells and follicular dendritic cells (FDC). CD320 augments the proliferation of PC precursors generated by IL-10.[UniProtKB/Swiss-Prot Function]