

Product datasheet for **RR200615**

Cd53 (NM_012523) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd53 (NM_012523) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd53
Synonyms: Ox-44; OX44
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200615 representing NM_012523
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCATGAGCAGCCTGAAATGCTGAAATATGTTCTGTTTTCTTTAACTTTCTTTTTGGGTCTGTG
GCTGTTGCATTTTGGGCTTTGGGATCCACCTCCTGGTCCAGAATACCTATGGAATACTCTCCGTAATCT
CCCCTTCCTGACACTTGGCAATGTTCTGGTCATTGTGGGCTCCATTATCATGGTAGTTGCCTTCTGGGC
TGCATGGGATCAATCAAGGAGAATAAGTGCCTGCTTATGTGTTCTTTGTCTGCTGCTGCTTATTCTCC
TTGCTGAGGTGACCTTAGCCATCCTGCTCTTTGTGTATGAAAAAAGATCAACACGTTAGTGGCAGAGGG
CCTGAATGACAGCATCCAACATTATCACTCTGACAACAGCACCAGGATGGCATGGGACTTCATCCAGTCA
CAACTGCAGTGTGTGGTGTAAATGGCTCAAGTGATTGGATCAGTGGTCCACCATCTTCTGCCATCAG
GTGCAGATGTTTCAGGTTGTTATAAAAAAGGGCAGGCCTGGTTTCACTCCAATTTCTTGTATATTGGAA
TGTTACCATCTGCGTATGTGTGATACAGGTGCTGGGGATGTCCTTTGCTCTGACTGAAGTCCAGATT
GACAAAACCAGCCAGGCTTTAGGGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_012523.2 , NP_036655.1
RefSeq Size:	1710 bp
RefSeq ORF:	660 bp
Locus ID:	24251
UniProt ID:	P24485
Cytogenetics:	2q34
MW:	24.2 kDa
Gene Summary:	a tetraspanin protein; may be involved in cell survival and growth regulation [RGD, Feb 2006]