

Product datasheet for **RN205141**

Gulo (NM_022220) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gulo (NM_022220) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gulo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205141 representing NM_022220 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTCCATGGGTACAAAGGGGTCCAGTTCAAAAATTGGGCAAAGACCTATGGTTGCAGTCCAGAGGTGT
ACTACCGACCCACCTCCGTGGAGGAGGTGCTGGCCCTGGCCCGGGAGCAGAAGAAGAAAGT
GAAGGTGGTGGGTGGTGGCCACTCGCCTTCAGACATTGCCTGCACTGACGGTTTCATGATCCACATGGGC
AAGATGAACCGGGTTCTCCAGGTGGACAAGGAGAAGAAGCAGGTAAACAGTGGAAGCCGGTATCCTCCTGG
CTGACCTGCACCCACAGCTGGATGAGCATGGCCTGGCCATGTCCAATCTGGGAGCAGTGTCTGATGTGAC
AGTTGCTGGTGTCTTGGATCCGGAACACATAACACAGGGATCAAGCACGGCATCCTGGCCACTCAGGTG
GTGGCCCTGACCCCTGATGACAGCTGATGGAGAAGTTCTGGAATGTTCTGAGTCAAGAAATGCAGATGTGT
TCCAGGCTGCACGGGTGCACCTGGGTTGCCTGGGTATCATCCTCACCGTCACCTGCAGTGTGTGCCTCA
GTTTCACCTTCAGGAGACATCCTCCCTTCGACCCTCAAAGAGGTCTTGACAACCTAGACAGCCACCTG
AAGAGGTCTGAGTACTTCCGCTTCTCTGGTTTCTCAGTGAAGAGTCAAGTATCTACCAAGACC
ACACCAACAAGGCCCCCTCTGTCATCTAACTGGTTTTGGGACTATGCCATCGGGTTCTACCTACTGGA
GTTCTTGCTCTGGACAGCACCTACCTGCCATGCCTCGTGGGCTGGATCAACCGCTTCTTCTCTGGATG
CTGTTCAACTGCAAGAAGGAGAGCAGCAACCTCAGTCAAGATCTTACCTACGAGTGTGCTTCAAGC
AGCATGTACAAGACTGGGCCATCCCTAGGAGAAAGACCAAGGAGGCCCTACTGGAGCTAAAGGCCATGCT
GGAGGCCACCCCAAAGTGGTAGCCCACTACCCCGTAGAGGTGCGCTTACCCGAGGCGATGACATTCTG
CTGAGCCCTGCTTCCAGAGGGACAGCTGCTACATGAACATCATTATGTACAGGCCCTATGGAAAGGACG
TGCTCGGCTAGACTACTGGCTGGCCTATGAGACCATCATGAAGAAGTTTGGAGGAAGACCCCACTGGGC
AAAGGCCCAATTCACCCGGAAGGACTTTGAGGAAATGTACCCACCTTTCAAGTTCTGTGACATC
CGTGAGAAGCTGGACCCCACTGGAATGTTCTTGAATTCGTACCTGGAGAAAGTCTTCTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_022220
Insert Size:	1323 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:	<u>NM_022220.2</u> , <u>NP_071556.2</u>
RefSeq Size:	2192 bp
RefSeq ORF:	1323 bp
Locus ID:	60671
UniProt ID:	<u>P10867</u>
Cytogenetics:	15p12
Gene Summary:	microsomal flavin enzyme, catalyzes last step of L-ascorbic acid biosynthesis [RGD, Feb 2006]