

Product datasheet for **RN201210**

Calprotectin (S100a8) (NM_053822) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calprotectin (S100a8) (NM_053822) Rat Untagged Clone
Tag:	Tag Free
Symbol:	S100a8
Synonyms:	Mrp8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201210 representing NM_053822 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAACTGAACTGGAGAAGGCCTTGAGCAACGTCATTGAAGTCTACCACAATTATTCTGGTATAAAAAG
GGAATCACCATGCCCTCTACAGGGATGACTTCAGGAAAATGGTCACTACTGAGTGCCCTCAGTTTGTGCA
GAATAAAAATACCGAAAGCTTGTCAAAGAATTGGACGTCATAGTGACAACGCAATTAACCTCGAAGAG
TTCCTTGTGTTGGTGATAAAGGTGGCGTGGCAGCTCATAAAGACAGCCACAAGGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_053822
Insert Size:	270 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: [NM_053822.2](#), [NP_446274.2](#)

RefSeq Size: 357 bp

RefSeq ORF: 270 bp

Locus ID: 116547

UniProt ID: [P50115](#)

Cytogenetics: 2q34

Gene Summary: may play a role in inflammatory response [RGD, Feb 2006]