

Product datasheet for SC111010

Calprotectin (S100A9) (NM_002965) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calprotectin (S100A9) (NM_002965) Human Untagged Clone
Tag:	Tag Free
Symbol:	S100A9
Synonyms:	60B8AG; CAGB; CFAG; CGLB; L1AG; LIAG; MAC387; MIF; MRP14; NIF; P14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111010 sequence for NM_002965 edited (data generated by NextGen Sequencing) ATGACTTGCAAAATGTCGCAGCTGGAACGCAACATAGAGACCATCATCAACACCTTCCAC CAATACTCTGTGAAGCTGGGGCACCCAGACACCCCTGAACCAAGGGGAATTCAAAGAGCTG GTGCGAAAAGATCTGCAAAATTTTCTCAAGAAGGAGAATAAGAATGAAAAGGTCATAGAA CACATCATGGAGGACCTGGACACAAATGCAGACAAGCAGCTGAGCTTCGAGGAGTTCATC ATGCTGATGGCGAGGCTAACCTGGGCCTCCACGAGAAGATGCACGAGGGTGACGAGGGC CCTGGCCACCACCATAAGCCAGGCCTCGGGGAGGGCACCCCTAA Clone variation with respect to NM_002965.3 >OriGene 5' read for NM_002965 unedited CACCAGCTCCTCGGCTTTGACAGAGTGCAAGACGATGACTTGCAAAATGTCGCAGCTGGA ACGCAACATAGAGACCATCATCAACACCTTCCACCAATACTCTGTGAAGCTGGGGCACCC AGACACCTGAACCAGGGGAATTCAAAGAGCTGGTGCAGAAAAGATCTGCAAAATTTTCT CAAGAAGGAGAATAAGAATGAAAAGGTCATAGAACACATCATGGAGGACCTGGACACAAA TGCAGACAAGCAGCTGAGCTTCGAGGAGTTCATCATGCTGATGGCGAGGCTAACCTGGGC CTCCCACGAGAAGATGCACGAGGGTGACGAGGGCCCTGGCCACCACCATAAGCCAGGCCT CGGGGAGGGCACCCCTAAGACCACAGTGGCCAAGATCACAGTGGCCACGCCACGGCCA CAGTCATGGTGGCCACGGCCACGCCACTAATCAGGAGGCCAGGCCACCTGCCTTACC CAACCAGGGCCCCGGGCCTGTTATGTCAAAGTGTCTTGCTGTGGGGCTAGGGGCTGGG GCCAAATAAAGTCTTCTCCTCAA
5' Read Nucleotide Sequence:	
Restriction Sites:	NotI-NotI
ACCN:	NM_002965
Insert Size:	730 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_002965.2 , NP_002956.1
RefSeq Size:	576 bp
RefSeq ORF:	345 bp
Locus ID:	6280
UniProt ID:	P06702
Cytogenetics:	1q21.3
Domains:	S_100, EFh
Gene Summary:	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase and altered expression of this protein is associated with the disease cystic fibrosis. This antimicrobial protein exhibits antifungal and antibacterial activity. [provided by RefSeq, Nov 2014]