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Product datasheet for SC124913

Orosomucoid 2 (ORM2) (NM_000608) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Orosomucoid 2
Synonyms:	AGP-B; AGP-B'; AGP2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC124913 sequence for NM_000608 edited (data generated by NextGen Sequencing)

ATGGCGCTGTCCTGGGTTCTTACAGTCCTGAGCCTCCTACCTCTGCTGGAAGCCCAGATC
CCATTGTGTGCCAACCTAGTACCGGTGCCCATCACCAACGCCACCCTGGACCGGATCACT
GGCAAGTGGTTTTATATCGCATCGGCCTTTCGAAACGAGGAGTACAATAAGTCGGTTCAG
GAGATCCAAGCAACCTTCTTTTACTTTACCCCCAACAAGACAGAGGACACGATCTTTCTC
AGAGAGTACCAGACCCGCCAGAACCAGTGCTTCTATAACTCCAGTTACCTGAATGTCCAG
CGGGAGAATGGGACCGTCTCCAGATACGAGGGAGGCCGAGAACATGTTGCTCACCTGCTG
TTCCTTAGGGACACCAAGACCTTGATGTTTGGTTCCTACCTGGACGATGAGAAGAACTGG
GGGCTGTCTTTCTATGCTGACAAGCCAGAGACGACCAAGGAGCAACTGGGAGAGTTCTAC
GAAGCTCTCGACTGCTTGTGCATTCCCAGGTCAGATGTCATGTACACCGACTGGAAAAAG
GATAAGTGTGAGCCACTGGAGAAGCAGCACGAGAAGGAGAGGAAACAGGAGGAGGGGGAA
TCCTAG

Clone variation with respect to NM_000608.2

View online »

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_000608 unedited
ATATAAGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGC
GGCCGCGAATTCGGCACGAGCAGTATGGCGCTGTCCTGGGTTCTTACAGTCCTGAGCCTC
CTACCTCTGCTGGAAGCCCAGATCCCATTGTGTGCCAACCTAGTACCGGTGCCCATCACC
AACGCCACCCTGGACCGGATCACTGGCAAGTGGTTTTATATCGCATCGGCCTTTCGAAAC
GAGGAGTACAATAAGTCGGTTCAGGAGATCCAAGCAACCTTCTTTTACTTTACCCCCAAC
AAGACAGAGGACACGATCTTTCTCAGAGAGTACCAGACCCGCCAGAACCAGTGCTTCTAT
AACTCCAGTTACCTGAATGTCCAGCGGGAGAATGGGACCGTCTCCAGATACGAGGGAGGC
CGAGAACATGTTGCTCACCTGCTGTTCCTTAGGGACACCAAGACTNTGATGGTTTGGTTC
CTACCTGGACGATGAGAAGAACTGGGGGGCTGTCTTTCTATGCTGACAAGCCAGAGACGA
CCAAGGAGCAACTGGGGAGAGTTCTACGAAGCTCTCGACTGCTTGTGCATTCCCAGGTCA
GATGTCATGTACACCGACTGGGAAAGGATAAGTGTGAGCCACTGGAGAAGCAGCACGAGA
AGGAGA
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Restriction Sites: NotI-NotI

ACCN: NM_000608

Insert Size: 800 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_000608.2, NP_000599.1

RefSeq Size: 844 bp

RefSeq ORF: 606 bp

Locus ID: 5005

UniProt ID: P19652

Cytogenetics: 9q32

Domains:	lipocalin
Protein Families:	Secreted Protein
Gene Summary:	This gene encodes a key acute phase plasma protein. Because of its increase due to acute inflammation, this protein is classified as an acute-phase reactant. The specific function of this protein has not yet been determined; however, it may be involved in aspects of immunosuppression. [provided by RefSeq, Jul 2008]