

Product datasheet for **SC334623**

OBP2A (NM_001293189) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OBP2A (NM_001293189) Human Untagged Clone
Tag:	Tag Free
Symbol:	OBP2A
Synonyms:	hOBPIIa; LCN13; OBP; OBP2C; OBPIIa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001293189, the custom clone sequence may differ by one or more nucleotides

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ATGAAGACCCTGTTCTGGGTGTCACGCTCGGCCTGGCCGCTGCCCTGTCTTCACCCTGGAGGAGGAGG
ATATCACAGGGACCTGGTACGTGAAGGCCATGGTGGTCGATAAGGACTTCCGGAGGACAGGAGGCCAG
GAAGGTGTCCCCAGTGAAGGTGACAGCCCTGGCGGTGGGAACTTGAAGCCACGTTACCTTCATGAGG
GAGGATCGGTGCATCCAGAAGAAAATCCTGATGCGGAAGACGGAGGAGCCTGGCAAATTCAGCGCCTATG
GGGGCAGGAAGCTCATATACCTGCAGGAGCTGCCGGGACGGACGACTACGTCTTTACTGCAAAGACCA
GCGCCGTGGGGCCTGCGCTACATGGGAAAGCTTGTGGCATCTGCTCCCTGCAGGGCCGTGCCGTGTCC
CCACCTTGCTCACCTGGCCACCTCACCTGCAGGTAGGAATCCTAATACCAACCTGGAGGCCCTGGAAGA
ATTTAAGAAATTGGTGCAGCACAAAGGGACTCTCGGAGGAGGACATTTTCATGCCCTGCAGACGGGAAGC
TGCCTTCTCGAACACTAGGCAGCCCCGGGTCTGCACCTCCAGAGCCCACCCTACCACCAGACACAGAGC
CCGGACCACCTGGACCTACCCTCCAGCCATGACCTTCCCTGCTCCCACCCACCTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001293189
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_001293189.1](#), [NP_001280118.1](#)

RefSeq Size: 754 bp

RefSeq ORF: 687 bp

Locus ID: 29991

UniProt ID: [Q9NY56](#)

Cytogenetics: 9q34.3

Protein Families: Secreted Protein

Gene Summary: This gene encodes a small extracellular protein belonging to the lipocalin superfamily. The protein is thought to transport small, hydrophobic, volatile molecules or odorants through the nasal mucus to olfactory receptors, and may also function as a scavenger of highly concentrated or toxic odors. The protein is expressed as a monomer in the nasal mucus, and can bind diverse types of odorants with a higher affinity for aldehydes and fatty acids. This gene and a highly similar family member are located in a cluster of lipocalin genes on chromosome 9. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (gamma, PMID:10607840) represents the longest transcript and encodes the longest isoform (gamma).