

Product datasheet for RG236055

OBP2A (NM_001293193) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

_	
Product Type:	Expression Plasmids
Product Name:	OBP2A (NM_001293193) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OBP2A
Synonyms:	hOBPIIa; LCN13; OBP; OBP2C; OBPIIa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG236055 representing NM_001293193. Blue=ORF Red=Cloning site Green=Tag(s)</pre>
	GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGCATCGCCATGAAGACCCTGTTCCTGGGTGTCACGCTCGGCCTGGCCGCGCCTGCCCTGTCCTTCACCCTGGAGGAGGAGGGATGAGGGAGGATCGGTGCATCCAGAAGAAAATCCTGATGCGGAAGACGGAGGAGGCCTGGCAAATTCAGCGCCTATGGGGGCAGGAAGCTCATATACCTGCAGGAGCTGCCCGGGACGGAC
Protein Sequence:	<pre>>Peptide sequence encoded by RG236055 Blue=ORF Red=Cloning site Green=Tag(s)</pre>
	MKTLFLGVTLGLAAALSFTLEEEDEGGSVHPEENPDAEDGGAWQIQRLWGQEAHIPAGAARDGRLRLLL QRPAPWGPALHGKACGICSLQGRAAVPTLAHLATSPAGRNPNTNLEALEEFKKLVQHKGLSEEDIFMPL QTGSCVLEH TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
Restriction Sites:	Sgfl-Mlul

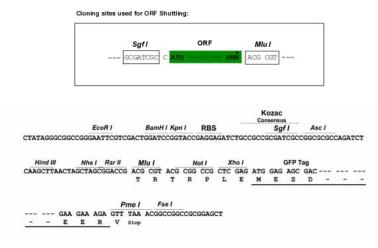


View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

OBP2A (NM_001293193) Human Tagged ORF Clone - RG236055

Cloning Scheme:



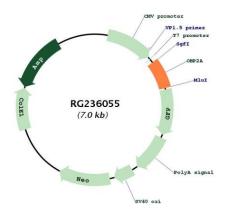
ACCN:	NM_001293193
ORF Size:	441 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	<u>NM 001293193.2</u>
RefSeq Size:	620 bp
RefSeq ORF:	444 bp
Locus ID:	29991
UniProt ID:	<u>Q9NY56</u>
Cytogenetics:	9q34.3
Protein Families:	Secreted Protein
MW:	16.2 kDa

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Section Content and Content an

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]

Product images:



Circular map for RG236055

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US