

Recombinant Human OBP2A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OBP2A-6264H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OBP2A MS Standard C13 and N15-labeled recombinant protein (NP_055397) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	19.32 kDa
AA Sequence	MKTLFLGVTLGLAAALSFTLEEEDITGTWYVKAMVVVDKDFPEDRRPRKVSPVKVTAL GGGNLEATFTFMREDRCIQKKILMRKTEEPGKFSA YGGRKLIY LQELPGTDDYVFYC KDQRRGGLRYMGKLVGRNPNTNLEALEEFKKLVQHKG LSEEDIFMPLQTGSCVLEH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

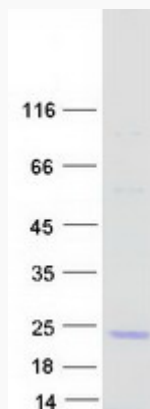
GENE INFORMATION

Gene Name	OBP2A odorant binding protein 2A [Homo sapiens (human)]
Official Symbol	OBP2A
Synonyms	OBP2A; OBP; OBP2C; OBP1Ia; hOBP1Ia; odorant binding protein 2A; odorant-binding protein 2a; odorant-binding protein 1Ia; putative odorant-binding protein 2c
Gene ID	29991
mRNA Refseq	NM_014582
Protein Refseq	NP_055397
MIM	164320
UniProt ID	Q9NY56

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SDS-PAGE

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