

Product datasheet for **TP310114**

OBP2A (NM_014582) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human odorant binding protein 2A (OBP2A), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210114 representing NM_014582 Red =Cloning site Green =Tags(s)
	MKTLFLGVTLGLAAALSFTLEEDITGTWYVKAMVVDKDFPEDRRRPRKVSPVKVTALGGGNLEATFTFMR EDRCIQKKILMRKTEEPGKFSAYGGRKLIYLQELPGTDDYVFYCKDQRRGGLRYMGKLVGRNPNTNLEAL EEFKKLVQHKGLSEEDIFMPLQTGSCVLEH
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	17.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055397
Locus ID:	29991
UniProt ID:	Q9NY56
RefSeq Size:	689



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Cytogenetics: 9q34.3

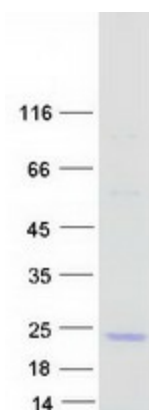
RefSeq ORF: 510

Synonyms: hOBPIIa; LCN13; OBP; OBP2C; OBPIIa

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]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified OBP2A protein (Cat# TP310114). The protein was produced from HEK293T cells transfected with OBP2A cDNA clone (Cat# [RC210114]) using MegaTran 2.0 (Cat# [TT210002]).