

Product datasheet for PH310114

OBP2A (NM_014582) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	OBP2A MS Standard C13 and N15-labeled recombinant protein (NP_055397)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210114
Predicted MW:	19.32 kDa
Protein Sequence:	>RC210114 representing NM_014582 Red=Cloning site Green=Tags(s) MKTFLFGVTLGLAAALSFTLEEEDITGTWYVKAMVVDKDFPEDRRPRKVSFVKVTALGGGNLEATFTFMR EDRCIQKKILMRKTEEPGKFSAYGGRKLIYLQELPGTDDYVFYCKDQRRGGLRYMGKLVGRNPNTNLEAL EEFKKLVQHKGLSEEDIFMPLQTGSCVLEH TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055397
RefSeq Size:	689
RefSeq ORF:	510
Synonyms:	hOBPIIa; LCN13; OBP; OBP2C; OBPIIa
Locus ID:	29991
UniProt ID:	Q9NY56



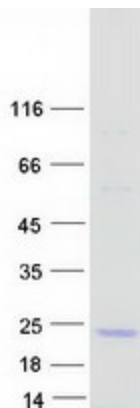
[View online »](#)

Cytogenetics: 9q34.3

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]).