Recombinant Human OBP2A Protein, His&GST-tagged

Cat. No. OBP2A-1880H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OBP2A Protein (Leu16-His170) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu16-His170
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.8 kDa Accurate Molecular Mass: 50 kDa
Purity	> 90%

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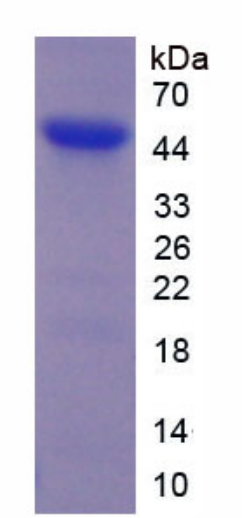
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	OBP2A odorant binding protein 2A [Homo sapiens (human)]
Official Symbol	OBP2A
Synonyms	OBP2A; OBP; OBP2C; OBPIIa; hOBPIIa; odorant binding protein 2A; odorant-binding protein 2a; odorant-binding protein Iia; putative odorant-binding protein 2c
Gene ID	29991
mRNA Refseq	NM_014582
Protein Refseq	NP_055397

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MIM	164320
UniProt ID	Q9NY56



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