OBP2B Protein, Human (HEK293, His)

Cat. No.:	HY-P77111
Synonyms:	Odorant-binding protein 2b; OBPIIb
Species:	Human
Source:	HEK293
Accession:	Q9NPH6-1 (L16-H170)
Gene ID:	29989
Molecular Weight:	Approximately 20 kDa.

PROPERTIES

AA Sequence	L S F T L E E E D I T G T W Y V K A M V V D K D F P E D R R P R K V S P V K V T A L G G G K L E A T F T F M R E D R C I Q K K I L M R K T E E P G K Y S A Y G G R K L M Y L Q E L P R R D H Y I F Y C K D Q H H G G L L H M G K L V G R N S D T N R E A L E E F K K L V Q R K G L S E E D I F T P L Q T G S C V P E H
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The OBP2B protein is implicated in the probable binding and transportation of small hydrophobic volatile molecules. This suggests a role in molecular recognition and transport processes, particularly for small, lipophilic compounds. The specificity of OBP2B for such molecules implies its potential involvement in sensory or signaling pathways where the recognition and transport of volatile compounds are crucial. Further exploration of the ligands bound by OBP2B and the physiological contexts in which it operates will contribute to a more comprehensive understanding of its function in molecular transport and potential implications in cellular responses to environmental cues.

Caution: Product has not been fully validated for medical applications. For research use only.

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