

Human GPR81 Protein-VLP

Cat. No. GPR-HM081

Description

Source	Recombinant Human GPR81 Protein-VLP is expressed from HEK293. It contains Met1-His346.
Accession	Q9BXC0
Molecular Weight	Human GPR81 Protein has a predicted MW of 40.30 kDa.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by HPLC

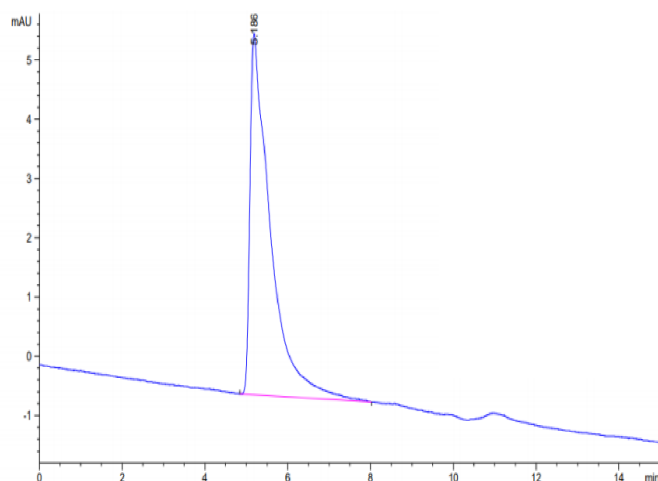
Formulation and Storage

Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

GPR81 is a receptor for the metabolic intermediate lactate with an established role in regulating adipocyte lipolysis. Potentially novel GPR81 agonists were identified that suppressed fasting plasma free fatty acid levels in rodents. GPR81 is important for cancer cell regulation of lactate transport mechanisms. Furthermore, lactate transport is important for the survival of cancer cells in the tumor microenvironment.

Assay Data



The purity of Human GPR81 VLP is greater than 95% as determined by SEC-HPLC.