

HUMAN GPR56 PROTEIN, HIS TAG

Cat.#: 11887

Product Name: Human GPR56 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: BFPP;BPPR;GPR56;TM7LN4;TM7XNI

Target: GPR56

UNIPROT ID: Q9Y653

Description: Recombinant Human GPR56 Protein with C-terminal 6xHis tag

Background: This gene encodes a member of the G protein-coupled receptor family and regulates brain cortical patterning. The encoded protein binds specifically to transglutaminase 2, a component of tissue and tumor stroma implicated as an inhibitor of tumor progression. Mutations in this gene are associated with a brain malformation known as bilateral frontoparietal polymicrogyria. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 43.6 kDa after removal of the signal peptide. The apparent molecular mass of GPR56-His is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: GPR56(Arg26-Tyr402) 6xHis tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human GPR56 Protein, His Tag on SDS-PAGE under reducing condition.