PRODUCT INFORMATION

Target	GPR56
Synonyms	BFPP;BPPR;GPR56;TM7LN4;TM7XN1
Description	Recombinant Human GPR56 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q9Y653
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	GPR56(Arg26-Tyr402) 6×His tag
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.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
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]
Usage	Research use only
Conjugate	Unconjugated

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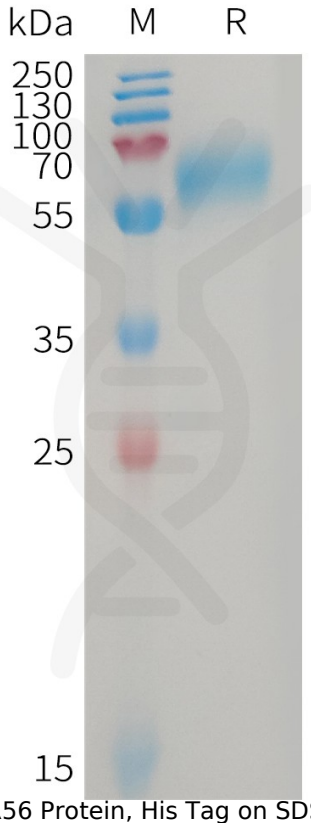


Figure 1.Human GPR56 Protein, His Tag on SDS-PAGE under reducing condition.

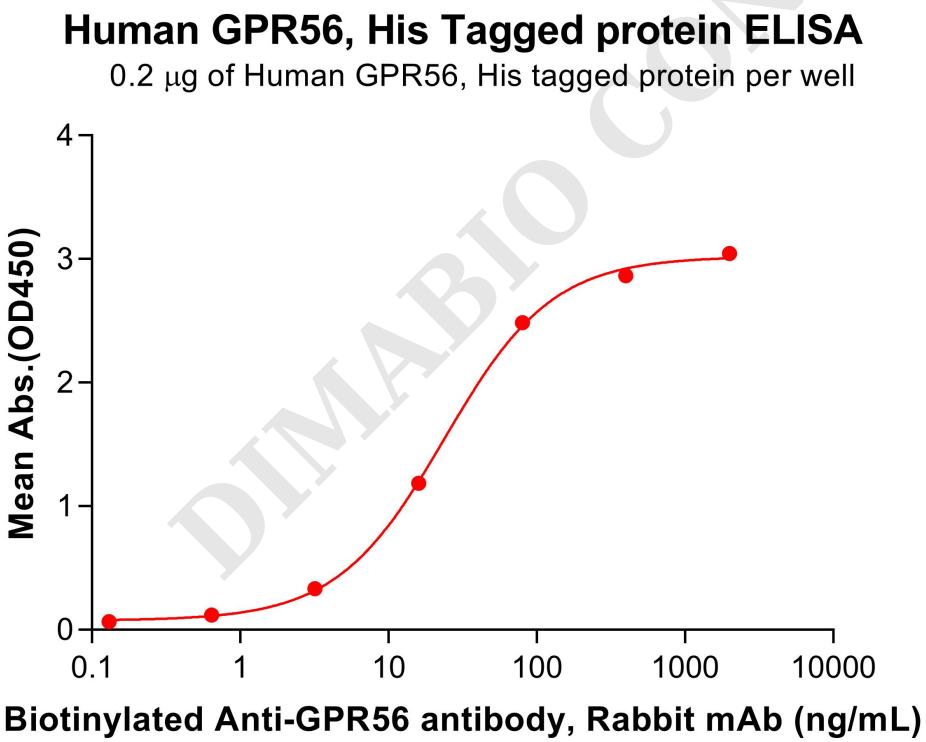


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human GPR56 Protein, His Tag (PME101228) can bind Biotinylated Anti-GPR56 antibody, Rabbit mAb (DME101183B) in a linear range of 3.2–80 ng/mL.

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