

Product datasheet for **TP721384**

GPRC5D Human Recombinant Protein, Exosome

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human GPRC5D full length protein-Exosome, 50µg
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	C-terminal Flag tagged overexpression cDNA clone
Tag:	C-term Flag Tag
Predicted MW:	The human full length GPRC5D Protein has a MW of 38.6 kDa
Concentration:	Please refer to the Certificate of Analysis (COA) for the lot-specific concentration before lyophilization.
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization.
Reconstitution Method:	<ol style="list-style-type: none"> 1. Before opening the tube cap, centrifuge the sample tube at 5000g for 3-5min at room temperature to ensure the lyophilized sample settles down at the bottom of the tube. 2. Calculate the volume for reconstitution (in µL) using the formula: [Quantity (mg)/Concentration (mg/mL)]x1000 3. Dissolve the lyophilized protein sample in sterile water based on the calculated volume (µL) 4. After adding sterile water, cover the lid and mix by gently tapping the tube 5-10 times. Note: Do not vortex or vigorously pipette the sample.
Storage:	Store at -20°C to -80°C for 12 months in lyophilized form.
Stability:	After reconstitution, if not intended for use within a month, aliquot and store at -80°C . Avoid repeated freezing and thawing.
Locus ID:	55507
UniProt ID:	Q9NZD1
Synonyms:	GPRC5D
Protein Families:	GPCR
Protein Pathways:	Neuroactive ligand-receptor interaction



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Product images:

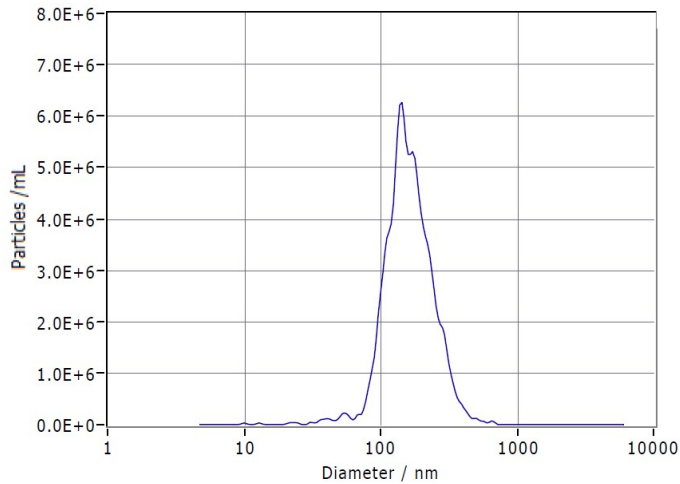


Figure 2. Nanoparticle Tracking Analysis of GPRC5D exosomes

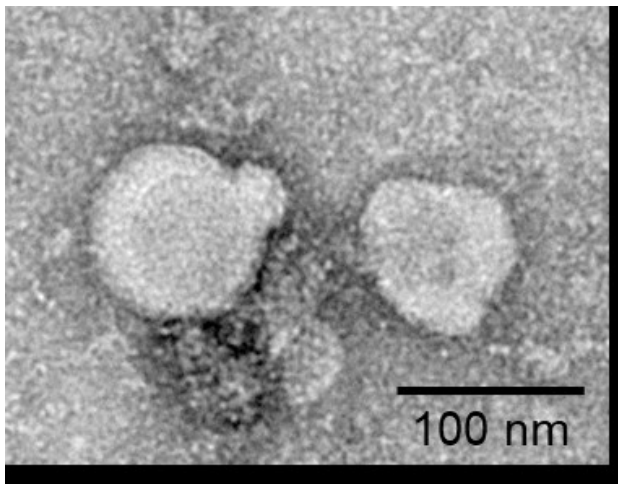


Figure 3. TEM image of GPRC5D exosomes

ELISA assay to evaluate GPRC5D exosome 0.5µg Human GPRC5D exosome per well

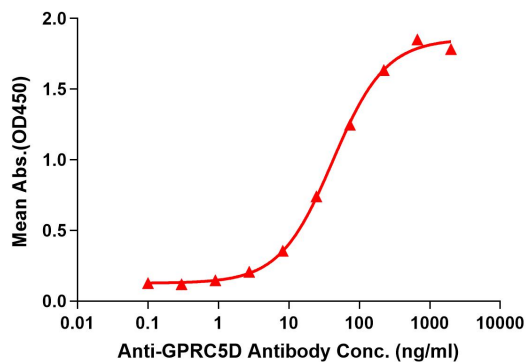


Figure 1. Elisa plates were pre-coated with 0.5µg/per well purified human GPRC5D full length protein exosomes. Serial diluted anti-GPRC5D monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-GPRC5D monoclonal antibody binding with GPRC5D exosomes is 41.99ng/ml.

