

GPR133 Protein, Human (HEK293, His)

Cat. No.:	HY-P76961
Synonyms:	Adhesion G-protein coupled receptor D1; G-protein coupled receptor 133; ADGRD1; PGR25
Species:	Human
Source:	HEK293
Accession:	Q6QNK2-1/NP_942122.2 (V26-S570)
Gene ID:	283383
Molecular Weight:	Approximately 90-110 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<pre> V Y S R S Q D H P G F Q V L A S A S H Y W P L E N V D G I H E L Q D T T G D I V E G K V N K G I Y L K E E K G V T L L Y Y G R Y N S S C I S K P E Q C G P E G V T F S F F W K T Q G E Q S R P I P S A Y G G Q V I S N G F K V C S S G G R G S V E L Y T R D N S M T W E A S F S P P G P Y W T H V L F T W K S K E G L K V Y V N G T L S T S D P S G K V S R D Y G E S N V N L V I G S E Q D Q A K C Y E N G A F D E F I I W E R A L T P D E I A M Y F T A A I G K H A L L S S T L P S L F M T S T A S P V M P T D A Y H P I I T N L T E E R K T F Q S P G V I L S Y L Q N V S L S L P S K S L S E Q T A L N L T K T F L K A V G E I L L L P G W I A L S E D S A V V L S L I D T I D T V M G H V S S N L H G S T P Q V T V E G S S A M A E F S V A K I L P K T V N S S H Y R F P A H G Q S F I Q I P H E A F H R H A W S T V V G L L Y H S M H Y Y L N N I W P A H T K I A E A M H H Q D C L L F A T S H L I S L E V S P P P T L S Q N L S G S P L I T V H L K H R L T R K Q H S E A T N S S N R V F V Y C A F L D F S S G E G V W S N H G C A L T R G N L T Y S V C R C T H L T N F A I L M Q V V P L E L A R G H Q V A L S S I S </pre>
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.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. 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

GPR133 Protein, an orphan receptor, operates as a signaling entity through the G(s)-alpha family of G-proteins, as evidenced by studies. Notably, it exhibits a protumorigenic function, particularly underscored in glioblastoma, signifying its potential role in pathological processes associated with tumorigenesis.

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

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