

Datasheet for ABIN7505527

**GPRC6A Protein (AA 456-590) (His tag)**[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	GPRC6A
Protein Characteristics:	AA 456-590
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPRC6A protein is labelled with His tag.

## Product Details

Sequence:	Thr 456-Asp 590
Characteristics:	A DNA sequence encoding the Rat GPRC6A protein (Q70VB1) (Thr 456-Asp 590) was expressed with a N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Target Details

Target:	GPRC6A
Alternative Name:	<a href="#">GPRC6A (GPRC6A Products)</a>
Background:	Abbreviation: GPRC6A Target Synonym: bA86F4.3,G protein coupled receptor 33,G-protein coupled receptor family C group 6 member A,GPC6A,GPCR33,Predicted with SOSUI analysis,seven transmembrane helix receptor

## Target Details

---

Background: Receptor activated by amino acids with a preference for basic amino acids such as L-Lys, L-Arg and L-ornithine but also by small and polar amino acids. The L-alpha amino acids response is augmented by divalent cations Ca(2+) and Mg(2+). Activated by extracellular calcium and osteocalcin. Seems to act through a G(q)/G(11) and G(i)-coupled pathway. Mediates the non-genomic effects of androgens in multiple tissue. May coordinate nutritional and hormonal anabolic signals through the sensing of extracellular amino acids, osteocalcin, divalent ions and its responsiveness to anabolic steroids.

---

Molecular Weight:            Calculated MW: 14.74 kDa  
   Observed MW: 25 kDa

---

UniProt:                        [Q70VB1](#)

## Application Details

---

Restrictions:                For Research Use only

## Handling

---

Format:                        Lyophilized

Buffer:                        Lyophilized from sterile PBS, pH 7.4.  
   Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

---

Storage:                        4 °C, -20 °C, -80 °C

Storage Comment:            Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

---

Expiry Date:                 12 months