

## Datasheet for ABIN7317239 **GPR37 Protein (His tag)**



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### Overview

Quantity:	100 µg
Target:	GPR37
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPR37 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human GPR37 Protein (His Tag)
Sequence:	Met 1-Met 265
Characteristics:	A DNA sequence encoding the human GPR37 (NP_005293.1) the first extracellular domain (Met 1-Met 265) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 80 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	GPR37
Alternative Name:	GPR37 ( <a href="#">GPR37 Products</a> )
Background:	Background: GPR37 (cathepsin Z) is an orphan receptor which belongs to the G-protein coupled receptor 1 family. G protein coupled receptors is a large protein family comprised by transmembrane receptors that sense molecules outside the cell and activate inside signal

## Target Details

transduction pathways and, ultimately, cellular responses. They only exists in eukaryotes, including yeast, choanoflagellates, and animals. These receptors are binded and activated by light-sensitive compounds, odors, pheromones, hormones, and neurotransmitters. These ligands vary in size from small molecules to peptides to large proteins. G protein-coupled receptors are involved in many diseases, and are also the target of approximately 40 % of all modern medicinal drugs. GPR37 is expressed in brain and spinal cord, and at lower levels in testis, placenta and liver, but no detectable expression observed in any other tissue. GPR37 may have a unique functional role in the central nervous system.

Synonym: EDNRBL,hET(B)R-LP,PAELR

Molecular Weight: 26.6 kDa

NCBI Accession: [NP\\_005293](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

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.