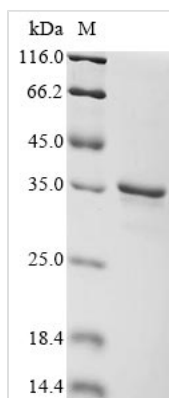




# Recombinant Human Retinoic acid-induced protein 3 (GPRC5A), partial

<b>Product Code</b>	CSB-EP818781HU1
<b>Abbreviation</b>	Recombinant Human GPRC5A protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8NFJ5
<b>Form</b>	Liquid or Lyophilized powder
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	TKQRNPMDYPVEDAFCKPQLVKKSYGVENRAYSQEEITQGFEETGDTLYAPY STHFQLQNQPPQKEFSIPRAHAWPSPYKDYEVKKEGS
<b>Research Area</b>	Neuroscience
<b>Source</b>	E.coli
<b>Target Names</b>	GPRC5A
<b>Expression Region</b>	269-357aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal GST-tagged
<b>Mol. Weight</b>	37.0 kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

Amino acids 269-357 form the expressed segment for recombinant Human GPRC5A. The theoretical molecular weight of the GPRC5A protein is 37.0 kDa. This GPRC5A protein is produced using e.coli expression system. The GPRC5A gene fragment has been modified by fusing the N-terminal GST tag, providing convenience in detecting and purifying the recombinant GPRC5A protein during the following stages.

Retinoic acid-induced protein 3 (RAI3), also known as GPRC5A, belongs to the G protein-coupled receptor (GPCR) family. GPRC5A is expressed in several tissues, including the lung, and has been implicated in processes such as cell proliferation, differentiation, and apoptosis. GPRC5A's role in cancer biology, particularly in lung cancer, is of significant interest, as it may function as a tumor suppressor or promoter depending on the context.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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