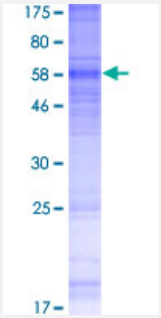
Full-Length

GPRC5A (Human) Recombinant Protein (P01)

Catalog # H00009052-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GPRC5A full-length ORF (NP_003970.1, 1 a.a. - 357 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MATTVPDGCRNGLKSKYYRLCDKAEAWGIVLETVATAGVVTSVAFMLTLPILVCKVQDSNRRKML PTQFLFLLGVLGIFGLTFAFIIGLDGSTGPTRFFLFGILFSICFSCLLAHAVSLTKLVRGRKPLSLLVIL GLAVGFSLVQDVIAIEYIVLTMNRTNVNVFSELSAPRRNEDFVLLLTYVLFLMALTFLMSSFTFCGS FTGWKRHGAHIYLTMLLSIAIWVAWITLLMLPDFDRRWDDTILSSALAANGWVFLLAYVSPEFWLLT KQRNPMDYPVEDAFCKPQLVKKSYGVENRAYSQEEITQGFEETGDTLYAPYSTHFQLQNQPPQK EFSIPRAHAWPSPYKDYEVKKEGS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	66.7
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GPRC5A

Entrez GeneID	9052
GeneBank Accession#	NM_003979.3
Protein Accession#	NP_003970.1
Gene Name	GPRC5A
Gene Alias	GPCR5A, RAI3, RAIG1
Gene Description	G protein-coupled receptor, family C, group 5, member A
Omim ID	604138
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the type 3 G protein-coupling receptor family, characterized by th e signature 7-transmembrane domain motif. The encoded protein may be involved in interaction b etween retinoid acid and G protein signalling pathways. Retinoic acid plays a critical role in devel opment, cellular growth, and differentiation. This gene may play a role in embryonic development and epithelial cell differentiation. [provided by RefSeq
Other Designations	retinoic acid induced 3|retinoic acid responsive

Disease

- Kidney Failure