

Product datasheet for **TP300118M**

RAI3 (GPC5A) (NM_003979) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human G protein-coupled receptor, family C, group 5, member A (GPC5A), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200118 protein sequence Red =Cloning site Green =Tags(s)
	<p>MATTVPDGCNRNGLKSKYYRLCDKAEAWGIVLETVATAGVWTSVAFMLTLPILVCKVQDSNRRKMLPTQFL FLLGVLGIFGLTFAFIIGLDGSTGPTRRFFLFGILFSICFSCLLAHAVSLTKLVRGRKPLSLLVILGLAVG FSLVQDVIAIEYIVLTMNRTNVNVFSELSAPRRNEDFVLLTYVLFMLALTFLMSSFTFCGSFTGWKRHG AHIYLTMLLSIAIWWAWITLLMLPDFDRRWDDTILSSALAANGWVFLLAYVSPEFWLLTKQRNPMDDYPVE DAFCKPQLVKKSYGVENRAYSQEEITQGFEEETGDTLYAPYSTHFQLQNQPPQKEFSIPRAHAWPSPYKDY EVKKEGS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	40.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_003970</u>



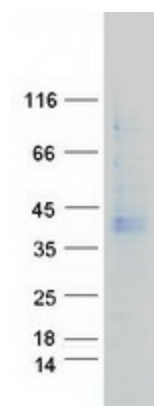
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Locus ID:	9052
UniProt ID:	Q8NFJ5
RefSeq Size:	2856
Cytogenetics:	12p13.1
RefSeq ORF:	1071
Synonyms:	GPCR5A; PEIG-1; RAI3; RAIG1; TIG1

Summary: This gene encodes a member of the type 3 G protein-coupling receptor family, characterized by the signature 7-transmembrane domain motif. The encoded protein may be involved in interaction between retinoid acid and G protein signalling pathways. Retinoic acid plays a critical role in development, cellular growth, and differentiation. This gene may play a role in embryonic development and epithelial cell differentiation. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, GPCR, Transmembrane

Product images:



Coomassie blue staining of purified GPCR5A protein (Cat# [TP300118]). The protein was produced from HEK293T cells transfected with GPCR5A cDNA clone (Cat# [RC200118]) using MegaTran 2.0 (Cat# [TT210002]).