

## Product datasheet for **TP319745M**

### GPR73A (PROKR1) (NM\_138964) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human prokineticin receptor 1 (PROKR1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219745 representing NM_138964 Red=Cloning site Green=Tags(s)

METTMGMFDDNATNTSTSFSLVLPNPHGAHATSFPFNFSYSDYDMPLDEDEDVTNSRTFFAAKIVIGMALV  
GIMLVCGIGNFIFIAALVRYKLRNLTNLLIANLAISDFLVAIVCCPFEMDYVVRQLSWEHGHVLCSTV  
NYLRTVSLYVSTNALLAIAIDRYLAIVHPLRPRMKCQTATGLIALVWTVSILIAIPSAYFTTETVLVIVK  
SQEKIFCGQIWPVDQQLYKSYFLFIFGIEFVGPVVTMTLCYARISRELWFKAVPGFQTEQIRKRLRCRR  
KTVLVLMCILTAYVLCWAPFYGFTIVRDFPPTVVFVKEKHLYLTAFYIVECIAMSNMINTLCFVTVKNDTV  
KYFKKIMLLHWKASYNGGKSSADLDLKTIGMPATEEVDKIRLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	44.6 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:	<a href="#">NP_620414</a>
Locus ID:	10887



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UniProt ID: [Q8TCW9](#)

RefSeq Size: 1182

Cytogenetics: 2p13.3

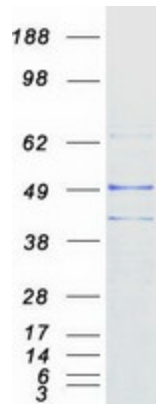
RefSeq ORF: 1179

Synonyms: GPR73; GPR73a; PK-R1; PKR1; ZAQ

**Summary:** This gene encodes a member of the G-protein-coupled receptor family. The encoded protein binds to prokineticins (1 and 2), leading to the activation of MAPK and STAT signaling pathways. Prokineticins are protein ligands involved in angiogenesis and inflammation. The encoded protein is expressed in peripheral tissues such as those comprising the circulatory system, lungs, reproductive system, endocrine system and the gastrointestinal system. The protein may be involved in signaling in human fetal ovary during initiation of primordial follicle formation. Sequence variants in this gene may be associated with recurrent miscarriage. [provided by RefSeq, Aug 2016]

**Protein Families:** Druggable Genome, GPCR, Transmembrane

### Product images:



Coomassie blue staining of purified PROKR1 protein (Cat# [TP319745]). The protein was produced from HEK293T cells transfected with PROKR1 cDNA clone (Cat# [RC219745]) using MegaTran 2.0 (Cat# [TT210002]).