

## Product datasheet for PH319745

### GPR73A (PROKR1) (NM\_138964) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PROKR1 MS Standard C13 and N15-labeled recombinant protein (NP_620414)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219745
Predicted MW:	44.6 kDa
Protein Sequence:	>RC219745 representing NM_138964 Red=Cloning site Green=Tags(s)  METTMGFMDNATNTSTSFLSVLNPHGAHATSFPFNFSYSDYDMPLEDEEDVTNSRTFFAAKIVIGMALV GIMLVCGIGNFIFIAALVRYKCLRNLNLLIANLAISDFLVAIVCCPFEMDYVVRQLSWEHGHVLCSTV NYLRTVSLYVSTNALLAIAIDRYLAIVHPLRPRMKQTATGLIALVWTVSILIAIPSAFTTETVLVIVK SQEKIFCGQIWPVDQQLYYKSYFLFIFGIEFVGPVVTMTLCYARISRELWFKAVPGFQTEQIRKRLRCRR KTVLVLMCILTAYVLCWAPFYGFTIVRDFPPTVFVKEKHLYTAFYIVECIAMSNMINTLCFVTVKNDTV KYFKKIMLLHWKASYNGGKSSADLDLKTIGMPATEEVDCIRLK  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_620414</a>
RefSeq Size:	1182
RefSeq ORF:	1179
Synonyms:	GPR73; GPR73a; PK-R1; PKR1; ZAQ
Locus ID:	10887



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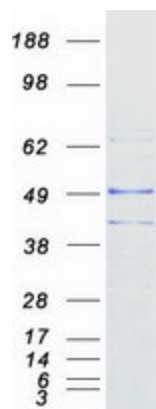
UniProt ID: [Q8TCW9](#)

Cytogenetics: 2p13.3

**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]).