

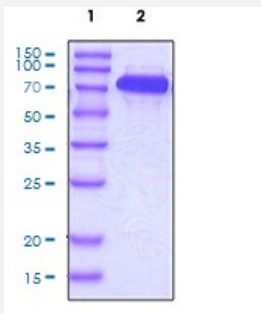
Bioactive

PIGR (Human) Recombinant Protein

Catalog # P8088

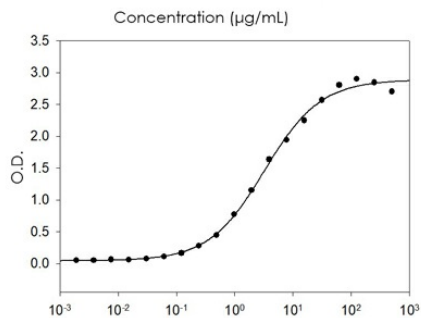
Size 100 ug

Applications



Result of bioactivity analysis

Result of bioactivity analysis



Specification

Product Description

Human PIGR (P01833, 19 a.a. - 638 a.a.) partial length recombinant protein His tag expressed in Baculovirus expression system.

Sequence

KSPIFGPEEVNSVEGNSVSITCYYPPTSVNRHTRKYWCRQGARGGCITLISSEGYVSSKYAGRANL
TNFPENGTFVVNIAQLSQDDSGRYKCGLGINSRGLSFDVSLEVSQGPGLLNDTKVYTVDLGRTVTI
NCPFKTENAQKRKSLYKQIGLYPVLVIDSSGYVNPNTGRIRLDIQGTGQLLFSVVINQLRLSDAGQY
LCQAGDDSNSNKKNADLQVLKPEPELVYEDLRGSVTFHCALGPEVANVAKFLCRQSSGENCDV
VVNTLGKRAPAFEGRILLNPQDKDGSFSVVITGLRKEDAGRYLCGAHSDGQLQEGSPIQAWQLFV
NEESTIPRSPTVVKGVAGGSVAVLCPYNRKESKSIKYWCLWEGAQNGRCPLLVDSEGWVKAQY
EGRSLLEEPGNGTFTVILNQLTSRDAGFYWCLTNGDTLWRTTVEIKIIIEGPNLKVPGNVTAVLGE
TLKVPCHFPCKFSSYEKYWCKWNNTGCQALPSQDEGPSKAFVNCDENSRLVSLTLNLVTRADE
GWYWCQVKQGHFYGETAAVYVAVEERKAAGSRDVS LAKADAAPDEKVLDSGFREIENKAIQDP
RLFAEEKAVADTRDQADGSRASVDSGSSEEQGGSSR

Host

Viruses

Theoretical MW (kDa)

68.90000000000001

Form

Liquid

Preparation Method

Baculovirus expression system

Purity

> 95% by SDS-PAGE

Endotoxin Level

< 1 EU per 1 ug of protein (determined by LAL method)

Activity

ED₅₀ is < 2 ng/mL, measured by the binding ability in a functional ELISA with Human IgM.

Quality Control Testing

3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.

Storage Buffer

In Phosphate-Buffer Saline pH 7.4 (10% glycerol)

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Note

Result of bioactivity analysis
Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — PIGR

Entrez GeneID

[5284](#)

Protein Accession#	P01833
Gene Name	PIGR
Gene Alias	FLJ22667, MGC125361, MGC125362
Gene Description	polymeric immunoglobulin receptor
Omim ID	161950 173880
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the immunoglobulin superfamily. The encoded poly-Ig receptor binds polymeric immunoglobulin molecules at the basolateral surface of epithelial cells; the complex is then transported across the cell to be secreted at the apical surface. A significant association was found between immunoglobulin A nephropathy and several SNPs in this gene
Other Designations	OTTHUMP00000034748 hepatocellular carcinoma associated protein TB6

Disease

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