

Recombinant Human plgR Protein

Cat. No. plgR-831H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human plgR protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	764
Description	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.
Form	Lyophilized
Molecular Mass	68.7 kDa
AA Sequence	MLLFVLTCLLAVFPAISTKSPIFGPEEVNSVEGNSVSITCYYPPTSVNRHTRKYWCRQ GARGGCITLISSEGIVSSKYAGRANLTNFPENGTFVFNIAQLSQDDSGRYKCGLGIN SRGLSFDVSLEVSQGPGLLNDTKVYTVDLGRTVTINCPFKTENAQKRKSLYKQIGLY PVLVIDSSGYVNPNYTGRIRLDIQGTGQLLFSVVINQLRLSDAGQYLCQAGDDSNSN KKNADLQVLKPEPELVYEDLRGSVTFHCALGPEVANVAKFLCRQSSGENCDVVVNT LGKRAPAFEGRIILLNPQDKDGSFSVVITGLRKEDAGRYLCGAHSDGQLQEGSPIQA WQLFVNEESTIPRSPTVVKGAVAGGSVAVLCPPYNRKESKSIKYWCLWEGAQNRCRP

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LLVDSEGWVKAQYEGRLSLLEPGNGTFTVILNQLTSRDAGFYWCLTNGDTLWRTT
VEIKIIEGEPNLKVPGNVTAVLGETLKVPCHFPCKFSSYEKYWCKWNNTGCQALPSQ
DEGPSKAFVNCDENSRLVSLTLNLVTRADEGWYWCGVKQGHFYGETAAVYVAVEE
RKAAGSRDVS LAKADAAPDEKVLDSGFREIENKAIQDPRLFAEEKAVADTRDQADG
SRASVDSGSSEEQGGSSRALVSTLVPLGLVLAVGAVAVGVARARHRKNVDRVSIRS
YRTDISMSDFENSREFGANDNMGASSITQETSLGGKEEFVATTESTTETKEPKKAKR
SSKEEAEMAYKDFLLQSSTVAAEAQDGPQEA

Purity	> 98%
Applications	Migration Assay; WB; ELISA;
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name PIGR polymeric immunoglobulin receptor [Homo sapiens (human)]

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Official Symbol	pIgR
Synonyms	PIGR; polymeric immunoglobulin receptor; poly-Ig receptor; hepatocellular carcinoma associated protein TB6; hepatocellular carcinoma-associated protein TB6; FLJ22667; MGC125361; MGC125362;
Gene ID	5284
mRNA Refseq	NM_002644
Protein Refseq	NP_002635
MIM	173880
UniProt ID	P01833

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