

## Recombinant Human PIGR Protein

Catalog #	Source	Reactivity	Applications
CRP2102	Human cells	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human PIGR Protein is produced by our Mammalian expression system and the target gene encoding Lys19-Arg638 is expressed with a 6His tag at the C-terminus.
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
<b>Gene Symbol</b>	PIGR
<b>Alternative Names</b>	Polymeric immunoglobulin receptor; PIgR; Poly-Ig receptor; Hepatocellular carcinoma-associated protein TB6
<b>Entrez Gene</b>	5284 (Human)
<b>SwissProt</b>	P01833 (Human)
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
<b>Chemical Structure</b>	<p>           KSPIFGPEEV NSVEGNSVSI TCYYPPTSVN RHTRKYWCRQ GARGGCITLI SSEGYVSSKY            AGRANLTNFP ENGTFFVNIA QLSQDDSGRY KCGLGINSRG LSFVDSLEVS QGPGLLNDTK            VYTVDLGRTV TINCPFKTEN AQKRKSLYKQ IGLYPVLVID SSGYVNPNYT GRIRLDIQGT            GQLLSVVIN QLRLSDAGQY LCQAGDDSNS NKKNADLQVL KPEPELVYED LRGSVTFHCA            LGPEVANVAK FLCROSSGEN CDVVVNTLGK RAPAFEGRIL LNPQDKDGSF SVVITGLRKE            DAGRYLCGAH SDGQLQEGSP IQAWQLFVNE ESTIPRSPTV VKGVAGGSVA VLCPYNRKES            KSIKYWCLWE GAQNGRCPLL VDSEGWVKAQ YEGRLSLEE PGNGTFTVIL NQLTSRDAGF            YWCLTNGDTL WRTTVEIKII EGEPNLKVPK NVTAVLGETL KVPCHFCKF SSYEKYWCKW            NNTGCQALPS QDEGPSKAFV NCDENSRLVS LTLNLVTRAD EGWYWCGVKQ GHFYGETAAV            YVAVEERKAA GSRDVSLAKA DAAPDEKVLV SGFREIENKA IQDPRLFAEE KAVADTRDQA            DGSRASVDSG SSEEQGGSSR VDHHHHHH         </p>

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage/Stability</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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