

Recombinant Human PIGR Protein

Catalog #	Source	Reactivity	Applications
CRP2103	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human PIGR Protein is produced by our mammalian expression system and the target gene encoding Lys19-Arg638 is expressed with a Fc tag at the C-terminus.
Form	Lyophilized from a 0.2 μM filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.
Gene Symbol	PIGR
Alternative Names	Polymeric immunoglobulin receptor; PIgR; Poly-Ig receptor; Hepatocellular carcinoma-associated protein TB6
Entrez Gene	5284 (Human)
SwissProt	P01833 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	<p>KSPIFGPEEV NSVEGNSVSI TCYYPPTSVN RHTRKYWCRQ GARGGCITLI SSEGYVSSKY</p> <p>AGRANLTNFP ENGTFFVNIA QLSQDDSGRY KCGLGINSRG LSFVDSLEVS QGPGLLNDTK</p> <p>VYTVDLGRTV TINCPFKTEN AQKRKSLYKQ IGLYPVLVID SSGYVNPNYT GRIRLDIQGT</p> <p>GQLLSVVIN QLRLSDAGQY LCQAGDDSNS NKKNADLQVL KPEPELVYED LRGSVTFHCA</p> <p>LGPEVANVAK FLCROSSGEN CDVVVNTLGK RAPAFEGRIL LNPQDKDGSF SVVITGLRKE</p> <p>DAGRYLCGAH SDGQLQEGSP IQAWQLFVNE ESTIPRSPTV VKGVAGGSVA VLCPYNRKES</p> <p>KSIKYWCLWE GAQNGRCPLL VDSEGWVKAQ YEGRLSLEE PGNGTFTVIL NQLTSRDAGF</p> <p>YWCLTNGDTL WRTTVEIKII EGEPNLKVPK NVTAVLGETL KVPCHFCKF SSYEKYWCKW</p> <p>NNTGCQALPS QDEGPSKAFV NCDENSRLVS LTLNLVTRAD EGWYWCGVKQ GHFYGETAAV</p> <p>YVAVEERKAA GSRDVSLAKA DAAPDEKVLG SGFREIENKA IQDPRLFAEE KAVADTRDQA</p> <p>DGSRASVDSG SSEEQGGSSR VDDIEGRMDE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK</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

PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL
TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRE EMTKNQVSLT
CLVKGFYPSD IAVEWESNGQ PENNYKTTTP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS
VMHEALHNHY TQKSLSLSPG K

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

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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