

Recombinant Mouse Podoplanin Protein

Catalog #	Source	Reactivity	Applications
CRP3034	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description Recombinant Mouse Podoplanin Protein is produced by mammalian expression system and the target gene encoding Gly23-Lys133 is expressed with a Fc tag at the C-terminus.

Form Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Gene Symbol PDPN

Alternative Names GP36; Podoplanin; Aggrus; Glycoprotein 36; Gp36; PA2.26 antigen; T1-alpha; T1A

Entrez Gene 14726 (Mouse)

SwissProt Q62011 (Mouse)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure GTIGVNEDDI VTPGTGDGMV PPGIEDKITT TGATGGLNES TGKAPLVPTQ RERGTKPPLE ELSTSATSDH DHREHESTTT VKVVTSHSVD KKTSHPNRDN AGDETQTTDK KDIEGRMDEP KSCDKHTTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLNQDQWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSREE MTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTTPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK

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 ddH₂O. 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

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

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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