

Product Data Sheet

Recombinant Human IMPA2 Protein

Catalog #	Source	Reactivity	Applications
CRP1824	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human IMPA2 Protein is produced by E. coli expression system and the target gene encoding Met1-Lys288 is expressed with a 6His tag at the N-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris, 2mM DTT, pH 8.0.		
Gene Symbol	IMPA2		
Alternative Names	IMP.18P; Inositol monophosphatase 2; IMP 2; IMPase 2; Inositol-1(or 4-monophosphatase 2; Myo-inositol monophosphatase A2		
Entrez Gene	3613 (Human)		
SwissProt	O14732 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MGSSHHHHHH SSGLVPRGSH MKPSGEDQAA LAAGPWEECF QAAVQLALRA GQIIRKALTE EKRVTSTSA ADLVTETDHL VEDLIISLR ERFPSHRFIA EEAASGAKC VLTHSPTWII DPIDGTCNFV HRFPTVAVSI GFAVRQEEF GVIYHCTEER LYTGRRRGRGA FCNGQRLRVS GETDLSKALV LTEIGPKRDP ATLKLFLSNM ERLHAKAHG VRVIGSSTLA LCHLASGAAD AYYQFGLHCW DLAAATVIIR EAGGIVIDTS GGPLDLMACR VVAASTREMA MLIAQALQTI NYGRDDEK		
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. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

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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