

Recombinant Human IMPA1 Protein

Catalog #	Source	Reactivity	Applications
CRP1823	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human IMPA1 Protein is produced by our E.coli expression system and the target gene encoding Met1-Asp277 is expressed with a 6His tag at the N-terminus.		
Form	Liquid in a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.25.		
Gene Symbol	IMPA1		
Alternative Names	IMPA; Inositol monophosphatase 1; IMP 1; IMPase 1; Inositol-1(or 4-monophosphatase 1; Lithium-sensitive myo-inositol monophosphatase A1		
Entrez Gene	3612 (Human)		
SwissProt	P29218 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>MGSSHHHHH SGLVPRGSH MADPWQECMD YAVTLARQAG EVVCEAIKNE</p> <p>MNVMLKSSPV DLVTATDQKV EKMLISSIKE KYPSHSFIGE ESVAAGEKSI LTDNPTWIID</p> <p>PIDGTTNFVH RPPFVAVSIG FAVNKKIEFG VVYSCVEGKM YTARKGKGAF CNGQKLQVSQ</p> <p>QEDITKSLLV TELGSSRTPE TVRMVLSNME KLFCIPVHGI RSVGTAAVNM CLVATGGADA</p> <p>YYEMGIHCWD VAGAGIIVTE AGGVLMDVTG GPFDLMSRRV IAANNRILAE RIAKEIQVIP</p> <p>LQRDDED</p>		
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. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year.		

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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