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IMPA2, 1-288aa, Human, His tag, E.coli

产品货号: TP02654

第三版

别名: Inositol monophosphatase 2., Inositol(myo)-1(or 4)-monophosphatase 2.

描述: IMPA2 belongs to the inositol monophosphatase family. This protein can use myo-inositol monophosphates, scylloinositol 1,4-diphosphate, glucose-1-phosphate, beta-glycerophosphate, and 2'-AMP as substrates. IMPA2 has been implicated as the pharmacological target for lithium Li(+) action in brain. IMPA2 is thought to play a role in schizophrenia and bipolar disorder.

配方: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT.

分子量: 33.5 kDa (308aa), confirmed by MALDI-TOF

序列:

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MGSSHHHHHHSSGLVPRGSHMKPSGEDQAALAAGPWEECFQAAVQLALRAGQIIRKALTEEKRVSTKTSAADLVTETD  
HLVEDLIISELRERFSPHRFIAEEAAASGAKCVLTHSPTWIIDPIDGTCNFVHRFPTVAVSIGFAVRQELEFGVIYHCTEERLY  
TGRRRGRGAFNGQRLRVSGETDLKALVLTEIGPKRDPATLKLFLSNMERLLHAKAHGVRVIGSSTLALCHLASGAADAYY  
QFGLHCWDLAAATVIIREAGGIVIDTSGGPLDLMACRVVAASTREMAMLIAQALQTINYGRDDEK
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纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: < 1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.