Active Recombinant Human PPP3CA&PPP3R1

Cat. No. PPP3CA&PPP3R1-626H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPP3CA&PPP3R1 (Accession # NP_000935 (Calcineurin A) NP_000936 (Calcineurin B) was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Human
Source	Sf21 Cells
Predicted N Terminal	Asp15 (Calcineurin A) & Asp17 (Calcineurin B)
Form	Supplied as a 0.2 μm filtered solution in HEPES, CaCl2, MgCl2, DTT and Glycerol.
Bio-activity	Measured by its ability to dephosphorylate the peptide substrate, DLDVPIPGRFDRRVS(PO3)VAAE.The specific activity is >900 nmol/min/mg, under the described conditions.
Molecular Mass	Recombinant Human PPP3CA&PPP3R1 has a calculated MW of 57 kDa (Calcineurin A), 18 kDa (Calcineurin B). In SDS-PAGE migrates as 43-65 kDa & 15-20 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	PPP3CA protein phosphatase 3, catalytic subunit, alpha isozyme [Homo sapiens]
Official Symbol	PPP3CA
Synonyms	PPP3CA; protein phosphatase 3, catalytic subunit, alpha isozyme; CALN, CALNA, protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform , protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha); serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform; calcineurin A alpha; CNA1; PPP2B; protein phosphatase 2B; catalytic subunit; alpha isoform; CAM-PRP catalytic subunit; calmodulin-dependent calcineurin A subunit alpha isoform; protein phosphatase 2B, catalytic subunit, alpha isoform; protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform; CALN; CCN1; CALNA; CALNA1;
Gene ID	5530
mRNA Refseq	NM_000944
Protein Refseq	NP_000935
MIM	114105
UniProt ID	Q08209
Chromosome Location	4q24

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