

Recombinant Human CHP, GST-tagged

Cat. No. CHP-11197H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHP protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-66a.a.
Description	This gene encodes a phosphoprotein that binds to the Na ⁺ /H ⁺ exchanger NHE1. This protein serves as an essential cofactor which supports the physiological activity of NHE family members and may play a role in the mitogenic regulation of NHE1. The protein shares similarity with calcineurin B and calmodulin and it is also known to be an endogenous inhibitor of calcineurin activity.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	CHP calcium binding protein P22 [Homo sapiens]
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Official Symbol	CHP
Synonyms	CHP; calcium binding protein P22; calcium-binding protein p22; calcineurin B homolog; SLC9A1 binding protein; calcium-binding protein CHP; calcineurin homologous protein; SLC9A1BP; FLJ20350;
Gene ID	11261
mRNA Refseq	NM_007236
Protein Refseq	NP_009167
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem;
Function	calcium ion binding; potassium channel regulator activity;

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