

Recombinant Human CHP, GST-tagged

CHP-11197H Human

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.

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.

Source E.coli

Species Human

Tag GST

Protein length 1-66a.a.

Storage The protein is stored in PBS buffer at -20. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

Gene Information

Gene Name [CHP calcium binding protein P22 \[Homo sapiens \]](#)

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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45-1 Ramsey Road, Shirley, NY 11967, USA

Tel: +1-631-559-9269 Fax: +1-631-938-8127

E-mail: info@creative-biomart.com

www.creativebiomart.net