

# Product information



## CHP, 1-195aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0597

**Full name:** Calcium-binding protein p22

**NCBI Accession No.:** NP\_009167

**Synonyms:** SLC9A1BP, Calcineurin B homolog, Calcineurin homologous protein

**Description:** CHP (Calcium-binding protein P22) is a phosphoprotein that binds to the sodium-hydrogen exchangers (NHEs). This protein serves as an essential cofactor which supports the physiological activity of NHE family members. It has protein sequence similarity to calcineurin B and it is also known to be an endogenous inhibitor of calcineurin activity. Recombinant human CHP, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

<p><b>Form:</b> Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 10% Glycerol</p> <p><b>Molecular Weight:</b> 24.7 kDa(216aa), confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 95% by SDS - PAGE</p> <p><b>Concentration:</b> 1 mg/ml (determined by Bradford assay)</p>	<p>15% SDS-PAGE (3ug)</p>
<p><b>Sequences of amino acids:</b></p> <p><u>MGSSHHHHH</u> <u>S SGLVPRGSH</u> <u>MMGSPASTLL</u> RDEELEEEIKK ETGFSHSQIT RLYSRFTSLD KGENGTL SRE DFQRIP ELAI NPLGDRI INA FFPEGEDQVN FRGFMRTL AH FRPIEDNEKS KDVNGPEPLN SRSNKLHFAF RLYDLDKDEK ISRDELLQVL RMMVGVN ISD EQLGSIADRT IQEADQDGDS A ISFTEFVKV LEKVDVEQKM SIRFLH</p>	

### General references:

Shigekawa M., *et al.* (2001) *J Biol Chem.* 276(20):17367-72.

Kojima C., *et al.* (2007) *J Biol Chem.* 282(4):2741-51.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

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