

CHP, 1-195aa, Human, His tag, E.coli

Cat.NO.: TP01613

3th Edition

Synonyms:Calcium-binding protein p22, 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.

Form:Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 10% Glycerol

Molecular Weight:24.7 kDa(216aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMMGSRASLLRDEELEEIKKETGFSSHSQITRLYSRFTSLDKGENGTLSREDFQRIP
ELAINPLGDRIINAFFPEGEDQVNFGRGFMRTLAFRPIEDNEKSKDVNGPEPLNSRSNKLHFAFRLYDLKDEKISRD
ELLQVLRMMVGVNISDEQLGSIADRTIQEADQDGD SAISFTEFVKVLEKVDVEQKMSIRFLH

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.