

## 32-3535: CHP1 Recombinant Protein

**Alternative Name :** CHP,CHP Human,Calcium-binding protein p22,Calcium-binding protein CHP,Calcineurin homologous protein,Calcineurin B homolog,SLC9A1BP.

### Description

Source : Escherichia Coli. CHP Recombinant E.coli produced in E.Coli is a single, non-glycosylated polypeptide chain containing 216 amino acids (1-195 a.a.) and having a molecular mass of 24.7 kDa. The CHP is fused to 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Calcium-binding protein P22 is a phosphoprotein that binds to the sodium-hydrogen exchangers (NHEs). CHP is an essential cofactor which maintains the physiological activity of NHE family members. CHP has protein sequence resemblance to calcineurin B and it is also identified to be an endogenous inhibitor of calcineurin activity. CHP is necessary for constitutive membrane traffic. CHP Inhibits GTPase-stimulated Na(+)/H(+) exchange. CHP inhibits calcineurin phosphatase activity. Required for activity of SLC9A1/NHE1.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** CHP Human solution containing 20mM Tris HCL pH-7.5, & 10% glycerol.  
**Storage condition :** CHP Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MMGSRASTLL RDEELEIHK ETGFHSQIT RLYSRFTSLD KGENGTLSRE DFQRIPELAI NPLGDRIINA FFPEGEDQVN FRGFMRTLAH FRPIEDNEKS KDVNGPEPLN SRSNKLHFAF RLYDLKDDEK ISRDELLQVL RMMVGVNISD EQLGSIADRT IQEADQDGDS AISFTEFVKV LEKVDVEQKM SIRFLH.

