

Product datasheet for TP301928

Calcium binding protein P22 (CHP1) (NM_007236) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human calcium binding protein P22 (CHP), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC201928 protein sequence
Red=Cloning site Green=Tags(s)

MGSRASTLLRDEELEEIKKETGFSSHSQITRLYSRFTSLDKGENGTLSDREDFQRIPELAINPLGDRIINAF
FPEGEDQVNFGRGFMRTLAHFRPIEDNEKSKDVNGPEPLNSRSNKLHFAFRLYDLKDEKISRDELLQVLR
MMVGVNISDEQLGSIADRTIQEADQDGDSAISFTEFVKVLEKVDVEQKMSIRFLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 22.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_009167](#)

Locus ID: 11261

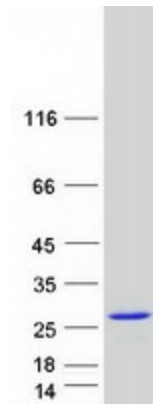
UniProt ID: [Q99653](#)

RefSeq Size: 3230



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Cytogenetics:	15q15.1
RefSeq ORF:	585
Synonyms:	CHP; p22; p24; Sid470p; SLC9A1BP; SPAX9
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Pathways:	Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Axon guidance, B cell receptor signaling pathway, Calcium signaling pathway, Long-term potentiation, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, Oocyte meiosis, T cell receptor signaling pathway, VEGF signaling pathway, Wnt signaling pathway

Product images:

Coomassie blue staining of purified CHP1 protein (Cat# TP301928). The protein was produced from HEK293T cells transfected with CHP1 cDNA clone (Cat# [RC201928]) using MegaTran 2.0 (Cat# [TT210002]).