

## Product datasheet for **AR09534PU-L**

### Calcium-binding protein p22 (1-195, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Calcium-binding protein p22 (1-195, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MMGSRAS <del>TLL</del> RDEELEEIKK ETGF <del>SHS</del> QIT RLYSRFTSLD KGENG <del>TLS</del> RE DFQRIPELAI NPLGDRIINA FFPEGEDQVN FRGFMRTLAH FRPIEDNEKS KDVNGPEPLN SRSNKLHFAF RLYDLDKDEK ISRDELLQVL RMMVGVN <del>ISD</del> EQLGSIADRT IQEADQDGDS AISFTEFVKV LEKVDVEQKM SIRFLH
Tag:	His-tag
Predicted MW:	24.7 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl Buffer (pH 7.5) containing 10% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CHP, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_009167</u>
Locus ID:	11261
UniProt ID:	<u>Q99653</u> , <u>A0A024R9M9</u>
Cytogenetics:	15q15.1
Synonyms:	CHP; p22; p24; Sid470p; SLC9A1BP; SPAX9



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**Summary:**

This gene encodes a phosphoprotein that binds to the Na<sup>+</sup>/H<sup>+</sup> 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:**