

Product datasheet for **RC201928L4V**

Calcium binding protein P22 (CHP1) (NM_007236) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Calcium binding protein P22 (CHP1) (NM_007236) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Calcium binding protein P22 |
| Synonyms: | CHP; p22; p24; Sid470p; SLC9A1BP; SPAX9 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_007236 |
| ORF Size: | 585 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC201928). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_007236.3 |
| RefSeq Size: | 3230 bp |
| RefSeq ORF: | 588 bp |
| Locus ID: | 11261 |
| UniProt ID: | Q99653 |
| Cytogenetics: | 15q15.1 |
| Domains: | EFh |



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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

MW: 22.5 kDa

Gene 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]