

Product datasheet for TP501918

Chp1 (NM_019769) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins Description: Purified recombinant protein of Mouse calcineurin-like EF hand protein 1 (Chp1), with Cterminal MYC/DDK tag, expressed in HEK293T cells, 20ug Species: Mouse **Expression Host:** HEK293T **Expression cDNA Clone** >MR201918 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s) MGSRASTLLRDEELEEIKKETGFSHSQITRLYSRFTSLDKGENGTLSREDFQRIPELAINPLGDRIINAF FSEGEDQVNFRGFMRTLAHFRPIEDNEKSKDVNGPEPLNSRSNKLHFAFRLYDLDKDDKISRDELLQVLR MMVGVNISDEQLGSIADRTIQEADQDGDSAISFTEFVKVLEKVDVEQKMSIRFLH **TRTRPLEQKLISEEDLAANDILDYKDDDDKV** Tag: C-MYC/DDK Predicted MW: 22.4 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method > 80% as determined by SDS-PAGE and Coomassie blue staining Purity: **Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Store at -80°C after receiving vials. Storage: Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. NP 062743 RefSeq: 56398 Locus ID: **UniProt ID:** P61022 **RefSeq Size:** 2626 2 E5 Cytogenetics:



View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

RefSeq ORF: 585 Synonyms: 1500003003Rik; AA960066; Al046351; Cahp; Chp; p24; Sid470p; vac Summary: Calcium binding protein involved in different processes such as regulation of vesice	
Synonyms: 1500003003Rik; AA960066; Al046351; Cahp; Chp; p24; Sid470p; vac	
Summary Calcium binding protain involved in different processes such as regulation of vesion	
trafficking, plasma membrane Na(+)/H(+) exchanger and gene transcription. Involv constitutive exocytic membrane traffic. Mediates the association between microtu membrane-bound organelles of the endoplasmic reticulum and Golgi apparatus a required for the targeting and fusion of transcytotic vesicles (TCV) with the plasma membrane. Functions as an integral cofactor in cell pH regulation by controlling pl membrane-type Na(+)/H(+) exchange activity. Affects the pH sensitivity of SLC9A1/ increasing its sensitivity at acidic pH. Required for the stabilization and localization SLC9A1/NHE1 at the plasma membranes. Inhibits serum- and GTPase-stimulated I exchange. Plays a role as an inhibitor of ribosomal RNA transcription by repressing nucleolar UBF1 transcriptional activity. May sequester UBF1 in the nucleoplasm ar translocation to the nucleolus. Associates to the ribosomal gene promoter. Acts as regulator of the calcineurin/NFAT signaling pathway. Inhibits NFAT nuclear translo transcriptional activity by suppressing the calcium-dependent calcineurin phospha activity. Also negatively regulates the kinase activity of the apoptosis-induced kina: Inhibits both STK17B auto- and substrate-phosphorylations in a calcium-depender (By similarity).[UniProtKB/Swiss-Prot Function]	ular ved in the bules and ind is also lasma NHE1 by of Na(+)/H(+) g the nd limit its s a negative cation and atase se STK17B. nt manner

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US