Recombinant Human CHP2 Protein, GST-Tagged

Cat. No. CHP2-1262H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHP2 full-length ORF (BAG35891.1, 1 a.a. - 196 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene product is a small calcium-binding protein that regulates cell pH by controlling plasma membrane-type Na+/H+ exchange activity. This protein shares sequence similarity with calcineurin B and can bind to and stimulate the protein phosphatase activity of calcineurin A (CnA) and functions in the calcineurin/NFAT (nuclear factor of activated T cells) signaling pathway. Another member of the CHP subfamily, Calcineurin B homologous protein 1, is located on Chromosome 15 and is an inhibitor of calcineurin activity and has a genetic phenotype associated with Parkinson's Disease (OMIM:606988). This gene was initially identified as a tumor-associated antigen and was previously referred to as Hepatocellular carcinoma-associated antigen 520. [provided by RefSeq, Jul 2013]
Molecular Mass	47.96 kDa
AA Sequence	MGSRSSHAAVIPDGDSIRRETGFSQASLLRLHHRFRALDRNKKGYLSRMDLQQIGAL AVNPLGDRIIESFFPDGSQRVDFPGFVRVLAHFRPVEDEDTETQDPKKPEPLNSRRN KLHYAFQLYDLDRDGKISRHEMLQVLRLMVGVQVTEEQLENIADRTVQEADEDGDG AVSFVEFTKSLEKMDVEQKMSIRILK

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCI, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CHP2 calcineurin B homologous protein 2 [Homo sapiens]
Official Symbol	CHP2
Synonyms	CHP2; calcineurin B homologous protein 2; hepatocellular carcinoma antigen gene 520; hepatocellular carcinoma-associated antigen 520;
Gene ID	63928
mRNA Refseq	NM_022097
Protein Refseq	NP_071380

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