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Product datasheet for TP305083

CHAC2 (NM_001008708) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ChaC, cation transport regulator homolog 2 (E. coli) (CHAC2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205083 protein sequence Red=Cloning site Green=Tags(s) MWVFGYGSLIWKVDFPYQDKLVGYITNYSRRFWQGSTDHRGVPGKPGRVVTLVEDPAGCVWGVAYRLPVG KEEEVKAYLDFREKGGYRTTTVIFYPKDPTTKPFSVLLYIGTCDNPDYLGPAPLEDIAEQIFNAAGPSGR NTEYLFELANSIRNLVPEEADEHLFALEKLVKERLEGKQNLNCI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	20.7 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_001008708
Locus ID:	494143
UniProt ID:	Q8WUX2

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RefSeq Size: 1305

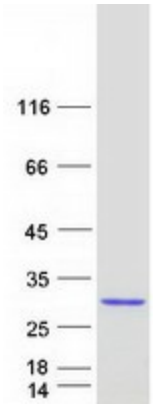
Cytogenetics: 2p16.2

RefSeq ORF: 552

Synonyms: GCG1

Summary: The protein encoded by this gene is a gamma-glutamyl cyclotransferase that catalyzes the conversion of glutathione to 5-oxoproline and cysteinylglycine. It is thought that this gene is upregulated in response to endoplasmic reticulum stress and that the glutathione depletion enhances apoptosis. [provided by RefSeq, Sep 2016]

Product images:



Coomassie blue staining of purified CHAC2 protein (Cat# TP305083). The protein was produced from HEK293T cells transfected with CHAC2 cDNA clone (Cat# [RC205083]) using MegaTran 2.0 (Cat# [TT210002]).