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Product datasheet for TP305398

Calreticulin 3 (CALR3) (NM_145046) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human calreticulin 3 (CALR3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205398 protein sequence Red=Cloning site Green=Tags(s) MARALVQFWAICMLRVALATVYFQEEFLDGEHWRNRWLQSTNDSRFGHFRLSSGKFYGHKEKDKGLQT TQ NGRFYAISARFKPFSNKGKTLVIQYTVKHEQKMDCGGGYIKVFPADIDQKNLNGKSQYYIMFGPDICGFD IKKVHVILHFKNKYHENKKLIRCKVDGFTHLYTLILRPDLSYDVKIDGQSIESGSIEYDWNLTSLKKETS PAESKDWEQTKDNKAQDWEKHFLDASTSKQSDWNGDLDGDWPAPMLQKPPYQDGLKPEGIHKDVWL HRKM KNTDYLTQYDLSEFENIGAIGLELWQVRSGTIFDNFLITDDEEYADNFGKATWGETKGPEREMDAIQAKE EMKKAREEEEEELLSGKINRHEHYFNQFHRRNEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	44.8 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.

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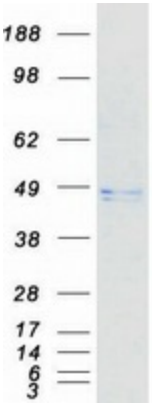
RefSeq:	NP_659483
Locus ID:	125972
UniProt ID:	Q96L12
RefSeq Size:	1295
Cytogenetics:	19p13.11
RefSeq ORF:	1152
Synonyms:	CMH19; CRT2; CT93
Summary:	The protein encoded by this gene belongs to the calreticulin family, members of which are calcium-binding chaperones localized mainly in the endoplasmic reticulum. This protein is also localized to the endoplasmic reticulum lumen, however, its capacity for calcium-binding may be absent or much lower than other family members. This gene is specifically expressed in the testis, and may be required for sperm fertility. Mutation in this gene has been associated with familial hypertrophic cardiomyopathy. [provided by RefSeq, Dec 2011]

Product images:



Coomassie blue staining of purified CALR3 protein (Cat# TP305398). The protein was produced from HEK293T cells transfected with CALR3 cDNA clone (Cat# [RC205398]) using MegaTran 2.0 (Cat# [TT210002]).