

Product datasheet for **TP305398L**

Calreticulin 3 (CALR3) (NM_145046) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human calreticulin 3 (CALR3), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC205398 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MARALVQFWAICMLRVALATVYFQEEFLDGEHWRNRWLQSTNDSRFGHFRLSSGKFYGHKEKD KGLQTTQ
NGRFYAISARFKPFSNKGKTLVIQYTVKHEQKMDCCGGYIKVFPADIDQKNLNGKSQYYIMFGPDICGFD
IKKVHVILHFKNKYHENKKLIRCKVDGFTHLYTLILRPDLSYDVKIDGQSIESGSIEYDWNLTSLKKETS
PAESKDWEQTKDNKAQDWEKHFLDASTSKQSDWNGDLGDGWPAPMLQKPPYQDGLKPEGIHKDVWLHRKM
KNTDYLTQYDLSEFENIGAIGLELWQVRS GTIFDNFLITDDEEYADNFGKATWGETKGP EREMDAIQAKE
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.

RefSeq: [NP_659483](#)

Locus ID: 125972



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UniProt ID: [Q96L12](#), [A0A140VJF7](#)

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]).