

## Product datasheet for **TP305398M**

### Calreticulin 3 (CALR3) (NM\_145046) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human calreticulin 3 (CALR3), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC205398 protein sequence

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

**Sequence:**

MARALVQFWAICMLRVALATVYFQEEFLDGEHWRNRWLQSTNDSRFGHFRLSSGKFYGHKEKD KGLQTTQ  
NGRFYAISARFKPFSNKGKTLVIQYTVKHEQKMDCCGGYIKVFPADIDQKNLNGKSQYYIMFGPDICGFD  
IKKVHVLHFKNKYHENKKLIRCKVDGFTHLYTLILRPDLSYDVKIDGQSIESGSIEYDWNLTSLKKETS  
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



[View online »](#)

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

RefSeq Size: 1295

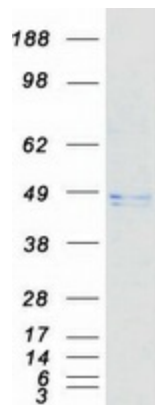
Cytogenetics: 19p13.11

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]).