

CALR3, 20-384aa Human, His tag, E.coli

Cat.NO.: TP01409

3th Edition

Synonyms: Calreticulin 3, CRT2, FLJ25355, MGC26577

Description: Calreticulin 3, also known as CALR3, is a member of the calreticulin (CRT) family. It is calcium-binding chaperones that are localized to the endoplasmic reticulum or sarcoplasmic reticulum in eukaryotes. CALR3 assists in the calreticulin/calnexin cycle, where it is involved in protein-folding, oligomeric assembly and quality control in the ER. With specific expression in testis, CALR3 has been implicated as a cancer-testis antigen due to its frequent expression in various cancers. Recombinant human CALR3 protein was expressed in E.coli.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight: 43 kDa (366aa)

Sequences:

MTVYFQEEFLDGEHWRNRWLQSTNDSRFGHFRLSSGKFYGHKEKDGLQTTQNGRFYAISARFKPFSNKGKTLVI
QYTVKHEQKMDCGGGYIKVFPADIDQKNLNGKSQYYIMFGPDICGFDIKKVHVLHFKNKYHENKKLIRCKVDGFTH
LYTLILRPDLSYDVKIDGQSIESGSIEYDWNLTSLKKETSPAESKDWEQTKDNKAQDWEKHFLDASTSKQSDWNGD
LDGDWPAPMLQKPPYQDGLKPEGIHKDVWLHRKMKNTDYLTQYDLSEFENIGAIGLELWQVRS GTIFDNFLITDDE
EYADNFGKATWGETKGPEREMDAIQAKEEMKKAREEEEEELLSGKINRHEHYFNQFHRRNEL

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.