

# Human GADD45G/CR6/DDIT2 (His tag) recombinant protein



Catalog Number: 519423

## General Information

### Gene Name Synonym

Growth Arrest and DNA Damage-Inducible Protein  
GADD45 Gamma, Cytokine-Responsive Protein  
CR6, DNA Damage-Inducible Transcript 2 Protein,  
DDIT-2, GADD45G, CR6, DDIT2

### Protein Construction

A DNA sequence encoding the Human  
GADD45G/CR6/DDIT2 Met1-Glu159 is expressed  
with a 6His tag at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Purity

>95% as determined by SDS-PAGE.

### Endotoxin

<1.0 EU per  $\mu\text{g}$  protein as determined by the LAL  
method.

### Stability

Store for up to 12 months at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  as  
lyophilized powder. Aliquots of reconstituted  
samples are stable at  $< -20^{\circ}\text{C}$  for 3 months.

## Formulation

Lyophilized from a  $0.2\ \mu\text{m}$  filtered solution of  
20mM TrisHCl, 150mM NaCl, pH 8.0.

## Usage Guide

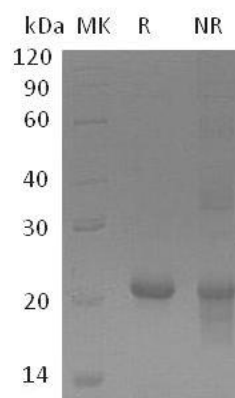
### Storage

Lyophilized protein should be stored at  $<-20^{\circ}\text{C}$ ,  
though stable at room temperature for 3 weeks.  
Reconstituted protein solution can be stored at  
 $4-7^{\circ}\text{C}$  for 2-7 days.

### Reconstitution

Always centrifuge tubes before opening. Do not  
mix by vortex or pipetting. It is not recommended  
to reconstitute to a concentration less than  
 $100\ \mu\text{g}/\text{ml}$ . Dissolve the lyophilized protein in  
ddH<sub>2</sub>O. Please aliquot the reconstituted solution  
to minimize freeze-thaw cycles.

## SDS-PAGE



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recombinant protein