

Recombinant Rat Gadd45g Protein, His-tagged

Cat. No. Gadd45g-1560R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gadd45g Protein (Met1-Glu159) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Glu159
Description	Predicted to enable identical protein binding activity. Predicted to be involved in several processes, including positive regulation of apoptotic process; positive regulation of cold-induced thermogenesis; and positive regulation of stress-activated MAPK cascade. Predicted to act upstream of or within negative regulation of protein kinase activity and positive regulation of MAPK cascade. Predicted to be active in cytoplasm and nucleus. Biomarker of mesangial proliferative glomerulonephritis. Orthologous to human GADD45G (growth arrest and DNA damage inducible gamma).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.0 kDa Accurate Molecular Mass: 24 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Gadd45g growth arrest and DNA-damage-inducible, gamma [Rattus norvegicus (Norway rat)]
Official Symbol	Gadd45g
Synonyms	GADD45G; growth arrest and DNA-damage-inducible, gamma; growth arrest and DNA damage-inducible protein GADD45 gamma; GADD45gamma; growth arrest and DNA damage inducible; growth arrest and DNA-damage-inducible 45 gamma; growth arrest and DNA-damage-inducible protein GADD45 gamma;
Gene ID	291005
mRNA Refseq	NM_001077640

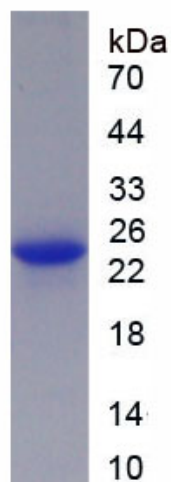
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Protein Refseq NP_001071108

UniProt ID B5DEF0



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