

**Product Name: Recombinant Human GADD45A (N-6His)**  
**Catalog #: PEH0697**



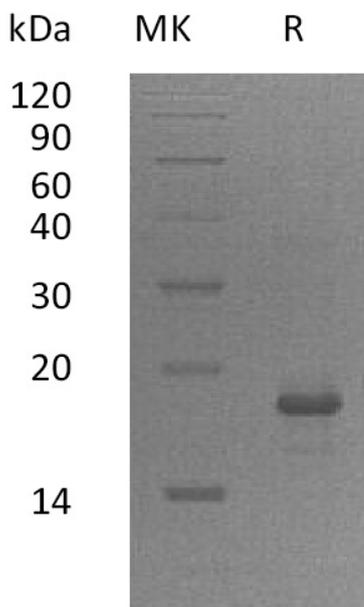
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## Summary

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|---------------------------------|--|
| <b>Name</b>                     | GADD45A/DNA damage-inducible transcript 1 protein/DDIT-1   |
| <b>Purity</b>                   | Greater than 95% as determined by reducing SDS-PAGE  |
| <b>Endotoxin level</b>          | <1 EU/μg as determined by LAL test.  |
| <b>Construction</b>             | Recombinant Human Growth Arrest And DNA Damage-Inducible Protein GADD45 alpha is produced by our E.coli expression system and the target gene encoding Met1-Arg165 is expressed with a 6His tag at the N-terminus.   |
| <b>Accession #</b>              | P24522   |
| <b>Host</b>                     | E.coli   |
| <b>Species</b>                  | Human  |
| <b>Predicted Molecular Mass</b> | 20.5 KDa   |
| <b>Formulation</b>              | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.  |
| <b>Shipping</b>                 | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.   |
| <b>Stability&amp;Storage</b>    | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.  |
| <b>Reconstitution</b>           | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## SDS-PAGE image

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### Alternative Names

Growth Arrest and DNA Damage-Inducible Protein GADD45 Alpha; DNA Damage-Inducible Transcript 1 Protein; DDIT-1; GADD45A; DDIT1; GADD45

### Background

Growth Arrest and DNA Damage-Inducible Protein GADD45  $\alpha$  (GADD45A) is a member of the GADD45 family. GADD45A can be induced by UV irradiation, X-rays, growth arrest and alkylating agents, of which can be mediated by some kinases other than PKC. GADD45A can interact with MAPK14, GADD45GIP1, PCNA. In T-cells, GADD45A functions as a regulator of p38 MAPKs by inhibiting p38 phosphorylation and activity. GADD45A may affect PCNA interaction with some cell division protein kinase complexes, stimulating DNA excision repair in vitro and inhibits entry of cells into S phase.

### Note

For Research Use Only , Not for Diagnostic Use.