

Recombinant Human BTG1, GST-tagged

Cat. No. BTG1-10319H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human BTG1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 1-171a.a. |
| Description | This gene is a member of an anti-proliferative gene family that regulates cell growth and differentiation. Expression of this gene is highest in the G0/G1 phases of the cell cycle and downregulated when cells progressed through G1. The encoded protein interacts with several nuclear receptors, and functions as a coactivator of cell differentiation. This locus has been shown to be involved in a t(8;12)(q24;q22) chromosomal translocation in a case of B-cell chronic lymphocytic leukemia. |
| Storage | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles. |
| Storage Buffer | 1M PBS (58mM Na2HPO4, 17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

GENE INFORMATION

Gene Name BTG1 B-cell translocation gene 1, anti-proliferative [Homo sapiens]

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| Official Symbol | BTG1 |
| Synonyms | BTG1; B-cell translocation gene 1, anti-proliferative; protein BTG1; B-cell translocation gene 1 protein; |
| Gene ID | 694 |
| mRNA Refseq | NM_001731 |
| Protein Refseq | NP_001722 |
| MIM | 109580 |
| UniProt ID | P62324 |
| Chromosome Location | 12q22 |
| Pathway | Diurnally regulated genes with circadian orthologs, organism-specific biosystem; RNA degradation, organism-specific biosystem; RNA degradation, conserved biosystem; |
| Function | enzyme binding; kinase binding; protein binding; transcription cofactor activity; |

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