Recombinant Human PRDM1 protein, His-tagged

**PRDM1-1758H Human**
Lot. No. (See product label)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Overview</strong></td>
<td>Recombinant Human PRDM1 aa. (Leu29~Asp149) fused with N-terminal His tag was produced in E. coli cells.</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>This gene encodes a protein that acts as a repressor of beta-interferon gene expression. The protein binds specifically to the PRDI (positive regulatory domain I element) of the beta-IFN gene promoter. Transcription of this gene increases upon virus induction. Two alternatively spliced transcript variants that encode different isoforms have been reported.</td>
</tr>
<tr>
<td><strong>Source</strong></td>
<td>E. coli</td>
</tr>
<tr>
<td><strong>Species</strong></td>
<td>Human</td>
</tr>
<tr>
<td><strong>Tag</strong></td>
<td>His</td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>Freeze-dried powder</td>
</tr>
<tr>
<td><strong>Molecular Mass</strong></td>
<td>21kDa as determined by SDS-PAGE reducing conditions.</td>
</tr>
<tr>
<td><strong>Protein length</strong></td>
<td>Leu29~Asp149</td>
</tr>
<tr>
<td><strong>Endotoxin</strong></td>
<td>&lt;1.0EU per 1ug (determined by the LAL method)</td>
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<tr>
<td><strong>Purity</strong></td>
<td>&gt;98%</td>
</tr>
<tr>
<td><strong>Applications</strong></td>
<td>SDS-PAGE; WB; ELISA; IP; CoIP; ReporterAssays; Purification; Amine Reactive Labeling.</td>
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<tr>
<td><strong>Stability</strong></td>
<td>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°C 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.</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.</td>
</tr>
<tr>
<td><strong>Concentration</strong></td>
<td>200μg/mL</td>
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<tr>
<td><strong>Storage buffer</strong></td>
<td>PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.</td>
</tr>
<tr>
<td><strong>Reconstitution</strong></td>
<td>Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.</td>
</tr>
<tr>
<td><strong>Isoelectric Point</strong></td>
<td>4.9</td>
</tr>
</tbody>
</table>

**Gene Information**

| Gene Name | PRDM1 PR/SET domain 1 [ Homo sapiens (human) ] |

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45-1 Ramsey Road, Shirley, NY 11967, USA
Tel: +1-631-559-9269 Fax: +1-631-938-8127
E-mail: info@creative-biomart.com
www.creativebiomart.net
<table>
<thead>
<tr>
<th><strong>Official Symbol</strong></th>
<th>PRDM1</th>
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<tbody>
<tr>
<td><strong>Synonyms</strong></td>
<td>PRDM1; PR/SET domain 1; BLIMP1; PRDI-BF1; PR domain zinc finger protein 1; B-lymphocyte-induced maturation protein 1; BLIMP-1; PR domain 1; PR domain containing 1, with ZNF domain; PRDI-binding factor-1; beta-interferon gene positive-regulatory domain I binding factor</td>
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<tr>
<td><strong>Gene ID</strong></td>
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<tr>
<td><strong>mRNA Refseq</strong></td>
<td>NM_001198.3</td>
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<tr>
<td><strong>Protein Refseq</strong></td>
<td>NP_001189.2</td>
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<tr>
<td><strong>UniProt ID</strong></td>
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