

# Recombinant Human DAPK2 Protein, His-tagged

**Cat. No.** DAPK2-1311H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Recombinant Human DAPK2 Protein (Met1-Thr235) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Met1-Thr235                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a protein that belongs to the serine/threonine protein kinase family. This protein contains a N-terminal protein kinase domain followed by a conserved calmodulin-binding domain with significant similarity to that of death-associated protein kinase 1 (DAPK1), a positive regulator of programmed cell death. Overexpression of this gene was shown to induce cell apoptosis. It uses multiple polyadenylation sites. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 30.5 kDa<br>Accurate Molecular Mass: 31 kDa                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                  |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | 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. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | DAPK2 death-associated protein kinase 2 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                             |
| <b>Official Symbol</b>  | DAPK2                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | DAPK2; death-associated protein kinase 2; DRP 1; MGC119312; DAP kinase 2; DAP-kinase-related protein 1 beta isoform; DRP1; DRP-1;                                                                                                                                                                                                            |
| <b>Gene ID</b>          | 23604                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_014326                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>   | NP_055141                                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>              | 616567                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>       | Q9UIK4                                                                                                                                                                                                                                                                                                                                       |

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