

## Recombinant Human GKN1 protein, His & GST-tagged

**Cat. No.** GKN1-7829H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GKN1 aa. (Ala22~Asn199 (Accession # Q9NS71)) fused with N-terminal His & GST tag was produced in E. coli cells.   |
| <b>Species</b>          | Human                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                              |
| <b>ProteinLength</b>    | Ala22~Asn199                                                                                                                        |
| <b>Description</b>      | The protein encoded by this gene is found to be down-regulated in human gastric cancer tissue as compared to normal gastric mucosa. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                 |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 49.5kDa.                                                                                                  |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                       |
| <b>Purity</b>           | >95%                                                                                                                                |
| <b>Characteristic</b>   | The isoelectric point is 5.3.                                                                                                       |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                            |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate                                            |

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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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Storage Buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                       |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                  |

## GENE INFORMATION

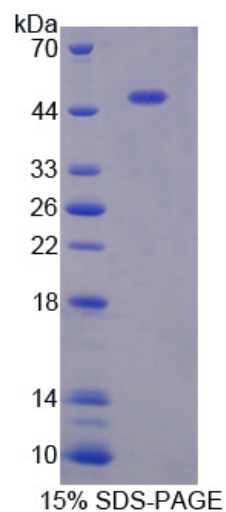
|                        |                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GKN1 gastrokeine 1 [ Homo sapiens (human) ]                                                                            |
| <b>Official Symbol</b> | GKN1                                                                                                                   |
| <b>Synonyms</b>        | Top2b; topoisomerase (DNA) II beta; Top-2; D230016L12Rik; DNA topoisomerase 2-beta; DNA topoisomerase II, beta isozyme |
| <b>Gene ID</b>         | 56287                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_019617.3                                                                                                            |
| <b>Protein Refseq</b>  | NP_062563.3                                                                                                            |
| <b>UniProt ID</b>      | Q9NS71                                                                                                                 |

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SDS-PAGE



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