

Recombinant Human GSTK1 protein, His & T7-tagged

Cat. No. GSTK1-1489H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human GSTK1 aa. (Thr7~Val222 (Accession # Q9Y2Q3)) fused with N-terminal His & T7 tag was produced in E. coli cells. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Thr7~Val222 |
| Description | This gene encodes a member of the kappa class of the glutathione transferase superfamily of enzymes that function in cellular detoxification. The encoded protein is localized to the peroxisome and catalyzes the conjugation of glutathione to a wide range of hydrophobic substrates facilitating the removal of these compounds from cells. Alternative splicing results in multiple transcript variants. |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 28.2kDa. |
| Endotoxin | <1.0EU per 1g (determined by the LAL method). |
| Purity | >95% |
| Characteristic | The isoelectric point is 7.9. |

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| Applications | SDS-PAGE; WB; ELISA; IP. |
| Stability | 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. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| Storage buffer | Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl. |
| Reconstitution | Reconstitute in sterile PBS, pH7.2-pH7.4. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | GSTK1 glutathione S-transferase kappa 1 [Homo sapiens (human)] |
| Official Symbol | GSTK1 |
| Synonyms | GST; GST13; hGSTK1; GSTK1-1; GST13-13; GST 13-13; GST class-kappa; glutathione S-transferase k1; glutathione S-transferase subunit 13 homolog; glutathione S-transferase kappa 1 |
| Gene ID | 373156 |
| mRNA Refseq | NM_001143679.1 |
| Protein Refseq | NP_001137151.1 |
| UniProt ID | Q9Y2Q3 |

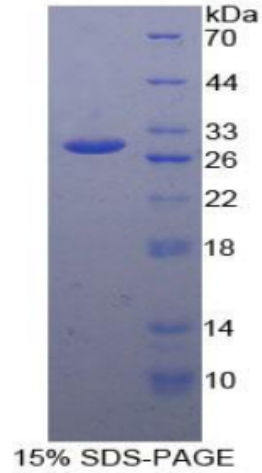
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SDS-PAGE



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