

## Cat. No. HPRT1-5126H Lot. No. (See product label)

|                  |                                                                                                                                                                                                                                                                                                                       |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human HPRT1 protein(P00492)(MHHHHHHKWFKIQMQIRRWKNKRAEEQQPWAQYLELLFPTETLLLEWGGGGGSGFLGPAPAPAPAPA+2-218aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                         |
| Species          | Human                                                                                                                                                                                                                                                                                                                 |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                |
| ProteinLength    | MHHHHHHKWFKIQMQIRRWKNKRAEEQQPWAQYLELLFPTETLLLEWGGGGGSGFLGPAPAPAPAPA+2-218                                                                                                                                                                                                                                             |
| Form             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                            |
| Molecular Mass   | 32.1 kDa                                                                                                                                                                                                                                                                                                              |
| Purity           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                           |
| Storage          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                        |
| Reconstitution   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute the protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. |
| AA Sequence      | ATRSPGVVISDDEPGYDLDFCIPNHYAEDLERVFIPHGLIMDRTERLARDVMKEMGGHHIVALCVLKGGYKFFA                                                                                                                                                                                                                                            |

NRNSDRSIPMTVDFIRLKSYCNDQSTGDIKVIGGDDLSTLTGKNVLIVEDIIDTGKTMQTLLSLVRQYNPKMVKVA  
 SVGYKPDFVGFEPDKFVVGALDYNEYFRDLNHVCVISETGKAKYKA

## GENE INFORMATION

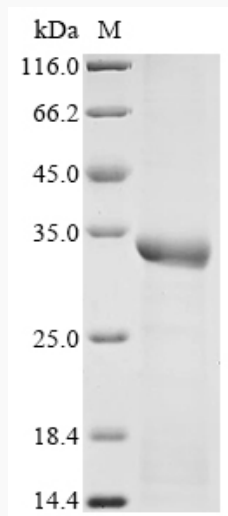
|                 |                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | <a href="#">HPRT1 hypoxanthine phosphoribosyltransferase 1 [ Homo sapiens ]</a>                                                        |
| Official Symbol | <a href="#">HPRT1</a>                                                                                                                  |
| Synonyms        | HPRT1; hypoxanthine phosphoribosyltransferase 1; HPRT; hypoxanthine-guanine phosphoribosyltransferase; Lesch Nyhan syndrome; HGPRTase; |
| Gene ID         | <a href="#">3251</a>                                                                                                                   |
| mRNA Refseq     | <a href="#">NM_000194</a>                                                                                                              |
| Protein Refseq  | <a href="#">NP_000185</a>                                                                                                              |
| MIM             | <a href="#">308000</a>                                                                                                                 |
| UniProt ID      | <a href="#">P00492</a>                                                                                                                 |

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## SDS-PAGE



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