

Active Recombinant Human Glucose-6-phosphate Dehydrogenase

Cat. No. G6PD-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human Glucose-6-phosphate Dehydrogenase without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes glucose-6-phosphate dehydrogenase. This protein is a cytosolic enzyme encoded by a housekeeping X-linked gene whose main function is to produce NADPH, a key electron donor in the defense against oxidizing agents and in reductive biosynthetic reactions. G6PD is remarkable for its genetic diversity. Many variants of G6PD, mostly produced from missense mutations, have been described with wide ranging levels of enzyme activity and associated clinical symptoms. G6PD deficiency may cause neonatal jaundice, acute hemolysis, or severe chronic non-spherocytic hemolytic anemia. Two transcript variants encoding different isoforms have been found for this gene.
CAS No.	9001-40-5
Form	Light white lyophilized powder
Bio-activity	Specific Activity: 500 U/mg protein Activity: 145 U/mg solid
Purity	≥ 95% by SDS-PAGE

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Storage Store it at -20 centigrade for at least 3 years. 2-8 centigrade for at least 1 year

GENE INFORMATION

Gene ID	2539
Gene Name	G6PD glucose-6-phosphate dehydrogenase [Homo sapiens (human)]
Official Symbol	2539
Synonyms	G6PD; glucose-6-phosphate dehydrogenase; glucose-6-phosphate 1-dehydrogenase; G6PD1; glucose-6-phosphate dehydrogenase, G6PD;
mRNA Refseq	NM_000402
Official Symbol 2	G6PD
Gene ID 2	2539
Gene Name 2	G6PD glucose-6-phosphate dehydrogenase [Homo sapiens (human)]
mRNA Refseq 2	NM_000402
Protein Refseq 2	NP_000393
MIM 2	305900
UniProt ID 2	P11413

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