

Recombinant Human GLRX2 Protein

Cat. No. GLRX2-153H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GLRX2 Protein (D41-164) (exons 1a-IV)
Species	Human
ProteinLength	41-164 a.a.
Description	<p>The protein encoded by this gene is a member of the glutaredoxin family of proteins, which maintain cellular thiol homeostasis. These proteins are thiol-disulfide oxidoreductases that use a glutathione-binding site and one or two active cysteines in their active site. This gene undergoes alternative splicing to produce multiple isoforms, one of which is ubiquitously expressed and localizes to mitochondria, where it functions in mitochondrial redox homeostasis and is important for the protection against and recovery from oxidative stress. Other isoforms, which have more restrictive expression patterns, show cytosolic and nuclear localization, and are thought to function in cellular differentiation and transformation, possibly with a role in tumor progression.</p>
Form	Lyophilized
Stability	≥ 1 year
Storage	At -80 centigrade.
Concentration	Concentration of glutaredoxin before lyophilization was 457 µM.

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Storage Buffer Lyophilized from 50 mM tris-HCl-1 mM EDTA, pH 7.5

Reconstitution Reconstitute with water or buffer.

GENE INFORMATION

Gene Name GLRX2 glutaredoxin 2 [Homo sapiens (human)]

Official Symbol GLRX2

Synonyms GLRX2; glutaredoxin 2; GRX2; CGI-133; glutaredoxin 2; bA101E13.1 (GRX2 glutaredoxin (thioltransferase) 2); glutaredoxin (thioltransferase) 2

Gene ID 51022

mRNA Refseq NM_016066

Protein Refseq NP_057150

MIM 606820

UniProt ID Q9NS18

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