

## Product datasheet for **AR09319PU-N**

### Glutaredoxin-2 / GLRX2 (20-164, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Glutaredoxin-2 / GLRX2 (20-164, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSAGWLDRAA GAAGAAAAAA SGMESNTSSS LENLATAPVN QIQETISDNC WIFSKTSCS YCTMAKKLFH DMNVNYKWE LDLLEYGNQF QDALYKMTGE RTVPRIFVNG TFIGGATDTH RLHKEGKLLP LVHQCYLKKS KRKEFQLEHH <u>HHHH</u>
Tag:	His-tag
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 0.1 mM PMSF, 10% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human Glutaredoxin 2, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u><a href="#">NP_001230328</a></u>
Locus ID:	51022
UniProt ID:	<u><a href="#">Q9NS18</a></u>
Cytogenetics:	1q31.2
Synonyms:	CGI-133; GRX2



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**Summary:**

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. [provided by RefSeq, Aug 2011]

**Protein Families:**

Transcription Factors

**Product images:**