

## Product datasheet for **AR09116PU-L**

### Glutaredoxin-1 / GLRX1 (1-106) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Glutaredoxin-1 / GLRX1 (1-106) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAQEFVNCKI QPGKVVFIK PTCPCYRRAQ EILSQLPIKQ GLLEFVDITA TNHTNEIQDY LQQLTGARTV PRVFIGKDCI GGCSDLVSLQ QSGELLTRLK QIGALQ
Predicted MW:	11.7 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human Glutaredoxin1 protein was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store (in aliquots) at -20°C or -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001112362</a>
Locus ID:	2745
UniProt ID:	<a href="#">P35754</a> , <a href="#">A0A024RAM2</a>
Cytogenetics:	5q15
Synonyms:	GRX; GRX1



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**Summary:**

This gene encodes a member of the glutaredoxin family. The encoded protein is a cytoplasmic enzyme catalyzing the reversible reduction of glutathione-protein mixed disulfides. This enzyme highly contributes to the antioxidant defense system. It is crucial for several signalling pathways by controlling the S-glutathionylation status of signalling mediators. It is involved in beta-amyloid toxicity and Alzheimer's disease. Multiple alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Aug 2011]

**Protein Families:**

Druggable Genome

**Product images:**