

## Product datasheet for **AR09461PU-N**

### Glutaredoxin-3 / GLRX3 (1-335, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Glutaredoxin-3 / GLRX3 (1-335, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MAAGAAEAAV AAVEEVGSAG QFEELLRLKA KSLLVVHFWA PWAPQCAQMN EVMAELAKEL PQVSFVKLEA EGVPEVSEKY EISSVPTFLF FKNSQKIDRL DGAHAPELTK KVQRHASSGS FLPSANEHLK EDLNLRLKKL THAAPCMLFM KGTPQEPRCG FSKQMVEILH KHNIQFSSFD IFSDEEVRQG LKAYSSWPTY PQLYVSGELI GGLDIIKELE ASEELDTICP KAPKLEERLK VLTNKASVML FMKGNKQEAK CGFSKQILEI LNSTGVEYET FDILEDEEVR QGLKAYSNWP TYPQLYVKGE LVGGLDIVKE LKENGELLPI LRGEN
Tag:	His-tag
Predicted MW:	39.6 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 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human Glutaredoxin-3, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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>NP_001186797</u>
Locus ID:	10539
UniProt ID:	<u>O76003</u> , <u>A0A140VJK1</u>
Cytogenetics:	10q26.3
Synonyms:	GLRX4; GRX3; GRX4; PICOT; TXNL2; TXNL3



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**Summary:**

This gene encodes a member of the glutaredoxin family. Glutaredoxins are oxidoreductase enzymes that reduce a variety of substrates using glutathione as a cofactor. The encoded protein binds to and modulates the function of protein kinase C theta. The encoded protein may also inhibit apoptosis and play a role in cellular growth, and the expression of this gene may be a marker for cancer. Pseudogenes of this gene are located on the short arm of chromosomes 6 and 9. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2010]

**Protein Families:**

Druggable Genome

**Product images:**