

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 GAAGAAAAA SGMESNTSSS LENLATAPVN QIQETISDNC VVIFSKTSCS YCTMAKKLFH DMNVNYKVVE LDLLEYGNQF QDALYKMTGE RTVPRIFVNG TFIGGATDTH RLHKEGKLLP LVHQCYLKKS KRKEFQ <u>LEHH 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>NP 001230328</u> |
| Locus ID: | 51022 |
| UniProt ID: | <u>Q9NS18</u> |
| Cytogenetics: | 1q31.2 |
| Synonyms: | CGI-133; GRX2 |



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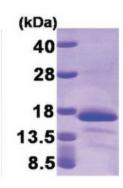
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| | Glutaredoxin-2 / GLRX2 (20-164, His-tag) Human Protein – AR09319PU-N |
|----------|---|
| Summary: | The protein encoded by this gene is a member of the glutaredoxin family of proteins, which maintain cellular thiol homeostasis. These proteins 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:



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