

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

GSR, 43-522aa, Human, His tag, E.coli

产品货号: TP02345

第三版

别名: Glutathione reductase, GLUR, GRD1.

描述: Glutathione reductase, also known as GSR, is a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. This enzyme is a homodimeric flavoprotein and plays a role in maintaining glutathione (GSH) in its reduced form by catalyzing the reduction of glutathione disulfide (GSSG):  $GSSG + NADPH + H^+ \rightarrow 2GSH + NADP^+$ .

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

分子量: 54.3 kDa (504aa) confirmed by MALDI-TOF

序列:

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MGSSHHHHHSSGLVPRGSHMGSMAMACRQEPQPQGPAAAGAVASYDYLVIGGGSGGLASARRAAELGARAAVVES
HKLGGTCVNVGCVPKKVMWNTAVHSEFMHDHADYGFPSCEGKFNWRVVIKEKRDAYVSRNLNAIYQNNLTKSHIEIRGH
AAFTSDPKPTIEVSGKKYTAPHILIATGGMPSTPHESQIPGASLGITSDGFFQLEELPGRSVIVGAGYIAVEMAGILSALGSKTS
LMIRHDKVLRFSFDSMISTNCTELENAGVEVLKFSQVKEVKKTLGLEVSMVTA VPGRLPVM TMIPDVDCLLWAIGRVPN
TKDLSLNKLG IQTDDKGHIIVDEFQNTNVKGIYAVGDVCGKALLTPVAIAAGRKL AHR LFEYKEDSKLDYNNIPTV VFSHP
PIGTVGLTEDEAIHKYGIENVKTYSTSF T P MYH AVTKRKT KCV MKMVCANKEEKV VGIHM QGLGCDEMLQGF AVAVK
MGATKADFDNTVAIHPTSSEELVTLR
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纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.