重组人GRase蛋白

Recombinant GSR protein (His tag)

目录号 Catalog Number	552104
同用名 Synonyms	Glutathione reductase
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	P00390
分子量 Molecular Weight	Predictes a molecular mass of 52.76 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 55 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MACRQEPQPQ GPPPAAGAVA SYDYLVIGGG SGGLASARRA AELGARAAVV ESHKLGGTCV NVGCVPKKVM WNTAVHSEFM HDHADYGFPS CEGKFNWRVI KEKRDAYVSR LNAIYQNNLT KSHIEIIRGH AAFTSDPKPT IEVSGKKYTA PHILIATGGM PSTPHESQIP GASLGITSDG FFQLEELPGR SVIVGAGYIA VEMAGILSAL GSKTSLMIRH DKVLRSFDSM ISTNCTEELE NAGVEVLKFS QVKEVKKTLS GLEVSMVTAV PGRLPVMTMI PDVDCLLWAI GRVPNTKDLS LNKLGIQTDD KGHIIVDEFQ NTNVKGIYAV GDVCGKALLT PVAIAAGRKL AHRLFEYKED SKLDYNNIPT VVFSHPPIGT VGLTEDEAIH KYGIENVKTY STSFTPMYHA VTKRKTKCVM KMVCANKEEK VVGIHMQGLG CDEMLQGFAV AVKMGATKAD FDNTVAIHPT SSEELVTLRL EHHHHHH
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile PBS, pH 7.4
纯度 Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	Not tested.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
蛋白构建 Protein Construction	DNA encoding 44-522 aa (P00390) were fused with C-terminal 6His tag.

保存与运输

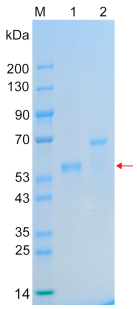
复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
运输 Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

功能描述

研究背景 Background	Purified recombinant human glutathione reductase (hGR) expressed in E. coli. Experimentally validated to form native functional homodimers with complete domain folding, stable FAD/NADPH cofactor binding, and full enzymatic activity matching native human erythrocyte hGR.

验证数据

SDS-PAGE



Recombinant GSR protein (His tag) SDS-PAGE
M: Marker; Lane 1: GSR; Lane 2: BSA