

Product datasheet

Recombinant Human Glutathione Reductase protein ab116160

Description

Product name	Recombinant Human Glutathione Reductase protein
Biological activity	Recombinant human GSR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Purity	> 95 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>P00390</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSSLVPRGSH MGSM PPKVMWNTAV HSEFMHDHAD YGFPSCEGKF NWRVIKEKRD AYVSRLNAY QNNLTKSHIE IIRGHAAFTS DPKPTIEVSG KKYTAPHILI ATGGMPSTPH ESQIPGASLG ITSDGFFQLE ELPGRSVIVG AGYIAVEMAG ILSALGSKTS LMIRHDKVLR SFDSMISTNC TEELENAGVE AMACRQ EPQPQGPPPA AGAVASYDYL VIGGGSGGLA SARRAAELGA RAAVVESHKL GGTCVNVGCV VLKFSQVKEV KKTLSGLEVS MVTAVPGRLP VMTMIPDVDC LLWAIGRVPN TKDLSLNKLG IQTDDKGHII VDEFQNTNVK GIYAVGDVCG KALLTPVAIA AGRKLAHRLF EYKEDSKLDY NNIPTVVFSH PPIGTVGLTE DEAIHKYIE NVKTYSTSFT PMYHAVTKRK TKCVMKMVCA NKEEKVVGIIH MQGLGCDEML QGFAVAVKMG ATKADFDNTV AIHPTSSEEL VTLR
Predicted molecular weight	54 kDa including tags
Amino acids	106 to 522
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab116160** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	Recombinant human GSR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
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General Info

Function	Maintains high levels of reduced glutathione in the cytosol.
Sequence similarities	Belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family.
Domain	Each subunit can be divided into 4 domains that are consecutive along the polypeptide chain. Domains 1 and 2 bind FAD and NADPH, respectively. Domain 4 forms the interface.
Cellular localization	Cytoplasm and Mitochondrion.

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