Product datasheet

Recombinant *E. coli* Thioredoxin reductase protein

**ab95910**

1 References 1 Image

Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Recombinant <em>E. coli</em> Thioredoxin reductase protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein length</td>
<td>Full length protein</td>
</tr>
</tbody>
</table>

Description

<table>
<thead>
<tr>
<th>Nature</th>
<th>Recombinant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>Escherichia coli</td>
</tr>
<tr>
<td>Amino Acid Sequence</td>
<td></td>
</tr>
<tr>
<td>Accession</td>
<td>P0A9P4</td>
</tr>
<tr>
<td>Species</td>
<td>Escherichia coli</td>
</tr>
<tr>
<td>Sequence</td>
<td>MGTTKHSKLL ILGSGPAGYT AAVYAARANL QPVLITGMEK GQGLTTTEV ENWPGPNDL TGPLLMERMH EAHKFEFTEIFDHINKVDL QNRPFRNLDG NGEYTDALALNATGASARYL GLPSEEAFKG RGVSACATCD GFFYRNQKVA VIGGGNTAVE EALYLSNIAS EVHLIHRDDG FRAEKILIKR LMDKVENGNI ILHTNRTLEE VTGDQMGVGTG VRLRDTQNSD NIESLDVAGL FVAIGHSPNT AIFEGQLELE NGYKVQSGI HGNATQTSIP GVFAAGDVMD HYYRAITSA GTGCMAALDA ERYLDGLADA K</td>
</tr>
</tbody>
</table>

**Molecular weight** 35 kDa
**Amino acids** 1 to 321

Specifications

Our Abpromise guarantee covers the use of **ab95910** in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Biological activity** Specific activity is 4-5 units/ml, and was measured in a coupled assay with DTNB and NADPH.
The amount of TNB generated by NADPH was measured in absorbance at 412 nm.

**Applications** Functional Studies
SDS-PAGE
Mass Spectrometry
Mass spectrometry MALDI-TOF-TOF
Purity > 90 % SDS-PAGE.
ab95910 is purified using conventional chromatography techniques.
Form Liquid

Preparation and Storage

Stability and Storage
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
pH: 8.00
Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol
This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Relevance Thioredoxin reductase is a member of the flavin-containing NADPH:disulfide oxidoreductases (DSOR) family.
Cellular localization Cytoplasmic

Images

15% SDS-PAGE showing ab95910 at approximately 34.6kDa (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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