Product datasheet

Recombinant Human Hemoglobin subunit alpha protein ab158638

1 Image

Description

<table>
<thead>
<tr>
<th>Product name</th>
<th>Recombinant Human Hemoglobin subunit alpha protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expression system</td>
<td>Wheat germ</td>
</tr>
<tr>
<td>Protein length</td>
<td>Full length protein</td>
</tr>
<tr>
<td>Animal free</td>
<td>No</td>
</tr>
<tr>
<td>Nature</td>
<td>Recombinant</td>
</tr>
<tr>
<td>Species</td>
<td>Human</td>
</tr>
</tbody>
</table>
| Sequence                    | MVLPADKTNVKAAWGKGHAAGEYGAEALERMFLSFPTKTYFPFDLSHGSAQVKGHGK
|                             | VADALTNAVHDMPNALSALSDLHAHKLRVDPVNFKLLSHCLLVTLA
|                             | AHHLPAEFTPAVHASLDKFLASVSTVLTSKYR                   |
| Amino acids                 | 1 to 142                                           |
| Tags                        | GST tag N-Terminus                                  |

Specifications

Our Abpromise guarantee covers the use of ab158638 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications

- Western blot
- ELISA

Form

Liquid

Additional notes

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00
Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function
Involved in oxygen transport from the lung to the various peripheral tissues.

Tissue specificity
Red blood cells.

Involvement in disease
Heinz body anemias
Alpha-thalassemia
Alpha(0)-thalassemia is associated with non-immune hydrops fetalis, a generalized edema of the fetus with fluid accumulation in the body cavities due to non-immune causes. Non-immune hydrops fetalis is not a diagnosis in itself but a symptom, a feature of many genetic disorders, and the end-stage of a wide variety of disorders.
Hemoglobin H disease

Sequence similarities
Belongs to the globin family.

Post-translational modifications
The initiator Met is not cleaved in variant Thionville and is acetylated.

Images

ab158638 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.
Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors