Human Hepcidin-25 peptide ab31875

Description

Product name: Human Hepcidin-25 peptide
Purity: 70 - 90% by HPLC.
Accession: P81172
Animal free: No
Nature: Synthetic
Species: Human

Specifications

Our Abpromise guarantee covers the use of ab31875 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications

- Blocking - Blocking peptide for Anti-Hepcidin-25 antibody (ab30760)
- ELISA

Form: Lyophilised

Additional notes

- Storage buffer: 10% 0.5M acetic acid, 90% TK buffer, pH 3.6
- Solutions of ab31875, diluted 10 times, in TBST (80%) and PBS (10%) have a pH of 5.1

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.
- Information available upon request.

Reconstitution

- Reconstitute in 10% 0.5M acetic acid, 90% TK buffer. If the peptide doesn’t dissolve try an organic solvent like DMSO, then dilute using water or buffer. Gentle warming and sonication can effectively aid peptide solubilisation

General Info

Function

Liver-produced hormone that constitutes the main circulating regulator of iron absorption and
distribution across tissues. Acts by promoting endocytosis and degradation of ferroportin, leading to the retention of iron in iron-exporting cells and decreased flow of iron into plasma. Controls the major flows of iron into plasma: absorption of dietary iron in the intestine, recycling of iron by macrophages, which phagocytose old erythrocytes and other cells, and mobilization of stored iron from hepatocytes (PubMed:22306005).


<table>
<thead>
<tr>
<th>Tissue specificity</th>
<th>Highest expression in liver and to a lesser extent in heart and brain. Low levels in lung, tonsils, salivary gland, trachea, prostate gland, adrenal gland and thyroid gland. Secreted into the urine.</th>
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</thead>
<tbody>
<tr>
<td>Involvement in disease</td>
<td>Hemochromatosis 2B</td>
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<tr>
<td>Sequence similarities</td>
<td>Belongs to the hepcidin family.</td>
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<tr>
<td>Cellular localization</td>
<td>Secreted.</td>
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</tbody>
</table>

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

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- Replacement or refund for products not performing as stated on the datasheet
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