Product datasheet

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: Liquid

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.

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).
Has strong antimicrobial activity against E.coli ML35P N.cinerea and weaker against
S.epidermidis, S.aureus and group b streptococcus bacteria. Active against the fungus

Tissue specificity
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.

Involvement in disease
Hemochromatosis 2B

Sequence similarities
Belongs to the hepcidin family.

Cellular localization
Secreted.

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

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