# Recombinant Larimichthys crocea Hepcidin (hamp)

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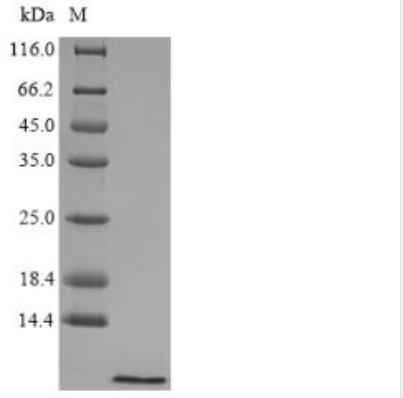
| **Product Code** | CSB-EP010124LLH |
| **Relevance** | Seems to act as a signaling molecule involved in the maintenance of iron homeostasis. Seems to be required in conjunction with HFE to regulate both intestinal iron absorption and iron storage in macrophages Has very strong antibacterial activity against the marine Gram-negative bacteria V.alginolyticus (MIC=24 ?M), V.fluvialis, V.harveyis (MIC=12 ?M) and V.parahaemolyticus (MIC=6 ?M). Has antibacterial activity against the Gram-negative bacteria A.hydrophila (MIC=6 ?M), E.coli (MIC=24 ?M), and E.coli BL21(DE3)plysS (MIC=6 ?M), and the Gram-positive bacteria B.cereus (MIC=24 ?M), B.subtilis (MIC=6 ?M), C.glutamicum (MIC=3 ?M), M.luteus (MIC=3 ?M), M.lysodeikticus, S.aureus (MIC=6 ?M) and S.epidermis (MIC=12 ?M). Possesses antifungal activity against A.niger (MIC=24 ?M), F.graminearum (MIC24 ?M) and F.solani (MIC=24 ?M), but lacks antifungal activity against the yeasts P.pastoris GS115 and C.albicans. |
| **Abbreviation** | Recombinant Larimichthys crocea hamp protein |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| **Uniprot No.** | A1Z0M0 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Larimichthys crocea (Large yellow croaker) (Pseudosciaena crocea) |
| **Purity** | ≥ 90% as determined by SDS-PAGE. |
| **Sequence** | RCRFCCRCCPRMRGCGICCRF |
| **Research Area** | Immunology |
| **Source** | E.coli |
| **Target Names** | hamp |
| **Protein Names** | Recommended name: Hepcidin |
| **Expression Region** | 65-85aa |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | NO-Tagged |
| **Mol. Weight** | 2.5kDa |
| **Protein Length** | Full Length of Mature Protein |
| **Image** | |




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

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Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.