

## Recombinant Larimichthys Crocea HAMP Protein (65-85 aa)

**Cat. No.** HAMP-2268L    **Lot. No.** (See product label)

### SPECIFICATION

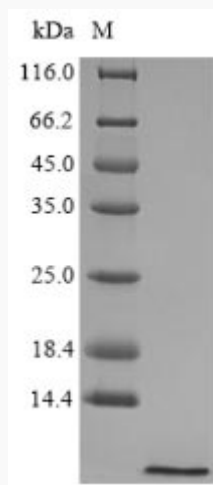
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| <b>Product Overview</b> | Recombinant Larimichthys Crocea (Large yellow croaker) ( <i>Pseudosciaena crocea</i> ) HAMP Protein (65-85 aa) is produced by E. coli expression system. Research Area: Immunology. Protein Description: Full Length of Mature Protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Larimichthys Crocea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 65-85 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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 <i>V.alginolyticus</i> , <i>V.fluvialis</i> , <i>V.harveyis</i> and <i>V.parahaemolyticus</i> . Has antibacterial activity against the Gram-negative bacteria <i>A.hydrophila</i> , <i>E.coli</i> , and <i>E.coli</i> BL21(DE3)plysS, and the Gram-positive bacteria <i>B.cereus</i> , <i>B.subtilis</i> , <i>C.glutamicum</i> , <i>M.luteus</i> , <i>M.lysodeikticus</i> , <i>S.aureus</i> and <i>S.epidermis</i> . Possesses antifungal activity against <i>A.niger</i> , <i>F.graminearum</i> and <i>F.solani</i> , but lacks antifungal activity against the yeasts <i>P.pastoris</i> GS115 and <i>C.albicans</i> . |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 2.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AA Sequence</b>      | RCRFCCRCCPRMRGCGICCRF                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>          | 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b>    | A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.                                                                                                                                                                                                                |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | hamp;                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>       | <a href="#">A1Z0M0</a>                                                                                                                                                                                                                                                                                              |



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

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