9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 32-13318: METRNL Human

**Alternative Name :** Meteorin-like protein, Subfatin, METRNL.

## Description

Source: Escherichia Coli.
Filtered White lyophilized (freeze-dried) powder.
METRNL or Meteorin-like protein is a hormone, released after physical activity (in skeletal muscle) or exposure to cold (in adipose tissue), that induces energy rate. METRNL stimulates energy rate correlate with white fat browning and raise glucose tolerance. The protein stimulates different types of immune cells to enter the fat tissue and start their prothermogenic actions.
METRNL Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 46-311) containing 276 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 31.2kDa (calculated).

## Product Info

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|---|---|
| **Amount :** | 2 µg / 10 µg |
| **Purification :** | Greater than 95.0% as determined by SDS-PAGE. |
| **Content :** | METRNL filtered (0.4 µm) and lyophilized from 0.5mg/ml in 50mM acetate buffer, 5% trehalose (w/v) and 1mM DTT, pH 4.<br>It is recommended to add 0.1M acetate buffer, pH 4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. |
| **Storage condition :** | Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C. |
| **Amino Acid :** | MKHHHHHHAS QYSSDRCSWK GSGLTHEAHR KEVEQVYLRC AAGAVEWMYP TGALIVNLRP NTFSPARHLT VCIRSFTDSS GANIYLEKTG ELRLLVPDGD GRPGRVQCFG LEQGGLFVEA TPQQDIGRRT TGFQYELVRR HRASDLHELS APCRPCSDTE VLLAVCTSDF AVRGSIQQVT HEPERQDSAI HLRVSRLYRQ KSRVFEPVPE GDGHWQGRVR TLLECGVRPG HGDFLFTGHM HFGEARLGCA PRFKDFQRMY RDAQERGLNP CEVGTD. |

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