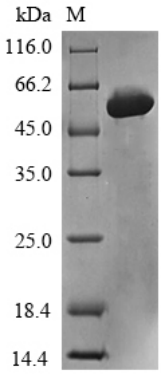
Recombinant Human Meteorin-like protein (METRNL)

Product Code	CSB-EP731035HU
Relevance	Hormone induced following exercise or cold exposure that promotes energy expenditure. Induced either in the skeletal muscle after exercise or in adipose tissue following cold exposure and is present in the circulation. Able to stimulate energy expenditure associated with the browning of the white fat depots and improves glucose tolerance. Does not promote an increase in a thermogenic gene program via direct action on adipocytes, but acts by stimulating several immune cell subtypes to enter the adipose tissue and activate their prothermogenic actions. Stimulates an eosinophil-dependent increase in IL4 expression and promotes alternative activation of adipose tissue macrophages, which are required for the increased expression of the thermogenic and anti-inflammatory gene programs in fat. Required for some cold-induced thermogenic responses, suggesting a role in metabolic adaptations to cold tperatures .
Abbreviation	Recombinant Human METRNL 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.	Q641Q3
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	QYSSDRCSWKGSGLTHEAHRKEVEQVYLRCAAGAVEWMYPTGALIVNLRPN TFSPARHLTVCIRSFTDSSGANIYLEKTGELRLLVPDGDGRPGRVQCFGLEQG GLFVEATPQQDIGRRTTGFQYELVRRHRASDLHELSAPCRPCSDTEVLLAVCT SDFAVRGSIQQVTHEPERQDSAIHLRVSRLYRQKSRVFEPVPEGDGHWQGRV RTLLECGVRPGHGDFLFTGHMHFGEARLGCAPRFKDFQRMYRDAQERGLNP CEVGTD
Research Area	Cell Biology
Source	E.coli
Target Names	METRNL
Expression Region	46-311aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged

Mol. Weight	34
Protein Length	Full Length of Mature Protein

Image



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

Shelf Life

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