Recombinant Zebrafish lhb Protein, His-tagged

Cat. No. lhb-2739Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zebrafish lhb Protein (Leu24-Tyr140) with N-His tag was expressed in E. coli.
Species	Zebrafish
Source	E.coli
ProteinLength	Leu24-Tyr140
Description	Enables hormone activity. Acts upstream of or within female gonad development; gamete generation; and sex determination. Predicted to be located in extracellular region. Predicted to be active in cytoplasm and extracellular space. Is expressed in several structures, including endocrine system; female organism; kidney; liver; and male organism. Human ortholog(s) of this gene implicated in hypogonadotropic hypogonadism 23 with or without anosmia. Orthologous to several human genes including LHB (luteinizing hormone subunit beta).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.8 kDa Accurate Molecular Mass: 20 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	lhb luteinizing hormone subunit beta [Danio rerio (zebrafish)]
Official Symbol	lhb
Synonyms	lhb; luteinizing hormone subunit beta; lhb1; lhbeta1; zgc:92312; lutropin subunit beta; Gth II; LH beta 2; gthII; luteinizing hormone beta 1; luteinizing hormone beta 2; luteinizing hormone beta-subunit; luteinizing hormone, beta polypeptide
Gene ID	402917
mRNA Refseq	NM_205622
Protein Refseq	NP_991185
UniProt ID	Q6TCF5

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