

Recombinant Human NEBL Protein, His&GST-tagged

Cat. No. NEBL-1820H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NEBL Protein (Met1-Ala264) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ala264
Description	This gene encodes a nebulin like protein that is abundantly expressed in cardiac muscle. The encoded protein binds actin and interacts with thin filaments and Z-line associated proteins in striated muscle. This protein may be involved in cardiac myofibril assembly. A shorter isoform of this protein termed LIM nebullette is expressed in non-muscle cells and may function as a component of focal adhesion complexes. Alternate splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 60.3 kDa Accurate Molecular Mass: 56 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	NEBL nebullette [Homo sapiens (human)]
Official Symbol	NEBL
Synonyms	NEBL; nebullette; LIM-nebullette; actin-binding Z-disk protein; LASP2; LNEBL; FLJ53769; MGC119746; MGC119747;
Gene ID	10529
mRNA Refseq	NM_001173484
Protein Refseq	NP_001166955
MIM	605491
UniProt ID	O76041

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