

ISCU 抗原（重组蛋白）

中文名称：ISCU 抗原（重组蛋白）

英文名称：ISCU Antigen (Recombinant Protein)

别名：iron-sulfur cluster assembly enzyme; HML; ISU2; NIFU; NIFUN; hnifU; 2310020H20Rik

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to a region derived from 1-167 amino acids of human ISCU

技术规格

Full name:	iron-sulfur cluster assembly enzyme
Synonyms:	HML; ISU2; NIFU; NIFUN; hnifU; 2310020H20Rik
Swissprot:	Q9H1K1
Gene Accession:	BC011906
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a component of the iron-sulfur (Fe-S) cluster scaffold. Fe-S clusters are cofactors that play a role in the function of a diverse set of enzymes, including those that regulate metabolism, iron homeostasis, and oxidative stress response. Alternative splicing results in transcript variants encoding different protein isoforms that localize either to the cytosol or to the mitochondria.

on. Mutations in this gene have been found in patients with hereditary myopathy with lactic acidosis. A disease-associated mutation in an intron may activate a cryptic splice site, resulting in the production of a splice variant encoding a putatively non-functional protein. A pseudogene of this gene is present on chromosome 1.