

ISCU, 35-167aa, Human, His tag, E.coli

Cat.NO.: TP02690

3th Edition

Synonyms:Iron-sulfur cluster assembly enzyme ISCU, HML, hnifU, ISU2, NIFU, NIFUN

Description:Iron-sulfur cluster assembly enzyme, also known as ISCU, is a member of the nifU family. Iron-sulfur (Fe-S) clusters are necessary for several mitochondrial enzymes and other subcellular compartment proteins. It is interact with ISCS, a cysteine desulfurase, to sequester inorganic sulfur for Fe-S cluster assembly. ISCU-ISCS protein complex localizes in both mitochondria and cytosol, implying that Fe-S cluster assembly takes place in multiple subcellular compartments in mammalian cells

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol2mM DTT, 100mM NaCl

Molecular Weight:16.7kDa (154aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMYHKKVVDHYENPRNVGSLDKTSKNVGTGLVGAPACGDVMKLQIQVDEKGGKIVD
ARFKTFGCGSAIASSSLATEWVKGKTVEEALTIKNTDIAKELCLPPVKLHCSMLAEDAIIKAALADYKLKQEPKKGEAE
KK

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.