

Iron-sulfur Cluster Scaffold Homolog Human Recombinant

Item Number	rAP-3752
Synonyms	Iron-sulfur cluster assembly enzyme ISCU mitochondrial, NifU-like N-terminal domain-containing protein, NifU-like protein, ISCU, NIFUN, HML, ISU2, NIFU, hnifU, MGC74517, 2310020H20Rik.
Description	ISCU Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 154 amino acids (35-167 a.a.) and having a molecular mass of 16.7kDa. The ISCU is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9H1K1
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MYHKKVVDHY ENPRNVGSLD KTSKNVGTGL VGAPACGDVM KLQIQVDEKG KIVDARFKTF GCGSAIASSS LATEWVKGKT VEEALTIKNT DIAKELCLPP VKLHCSMLAE DAIKAALADY KKKQEPKKGE AEKK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The ISCU solution (0.5 mg/ml) 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 100mM NaCl. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**