

NifU-like protein 5, mitochondrial (NIFU5), Recombinant Protein

Cat *RP05157*

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana NifU-like protein 5, mitochondrial (NIFU5)

Product Gene Name

NIFU5 recombinant protein

Product Synonym Gene Name

NIFU5

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

SSFPFNWIEQ RRTMFIQTQS TPNPSSLMFS PGKPVMEIGS ADFPNSRSAM SSPLAKAIFA IDGVVRVFIG
SDFVTVTKSD DVTWDILKPD IFAVVMDFYS SGQPLFLDSQ ATAAKDTAIH EDDSETVAMI KELLETRIRP
SVQDDGGDIE YCGFDTETGI VKLRMQGACS GCPSSSVTLK SGIIENMLMHY VSEVKGVEQE FDGEEEGTSS
GPME

Sequence Positions

62-275, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

29,972 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

NifU-like protein

NCBI Accession

NP_175550.2

NCBI GI

42562675

NCBI GenBank Nucleotide

NM_104017.4

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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841563 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI Official Full Name

NFU domain protein 5

NCBI Official Symbol

NFU5

NCBI Official Synonym Symbols

ATNFU1; F11M15.25; F11M15_25; NFU domain protein 5

NCBI Protein Information

NFU domain protein 5

NCBI Summary

Encodes a protein containing the NFU domain that may be involved in iron-sulfur cluster assembly. Part of a five member gene family, more closely related to NFU4 than to NFU1,2, and 3. Targeted to the mitochondrion.

UniProt Gene Name

NIFU5

UniProt Synonym Gene Names

NFU1; NFU5; AtNfu-I; AtNfu5

UniProt Protein Name

NifU-like protein 5, mitochondrial

UniProt Primary Accession

Q9C8J2

UniProt Secondary Accession

Q9SYE1

UniProt Related Accession

Q9C8J2

UniProt Comments

Molecular scaffold for [Fe-S] cluster assembly of mitochondrial iron-sulfur proteins.

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