Data Sheet (Cat.No.TMPH-03705)

TargetMol

NfuA Protein, Vibrio vulnificus, Recombinant

General Information

Synonyms:	nfuA;Fe/S biogenesis protein NfuA
Protein Construction:	1-194 aa
Species:	Vibrio vulnificus
Expression Host:	E. coli
Accession:	Q8DDU2
Molecular Weight:	21.0 kDa (predicted)
AA Sequence:	MSNITITEAAQTHFANLLGQQPDGTNIRVFVVNPGTQNAECGVSYCPPEAVEATDTEIPYQSFSAYVDELSLPF LEDAEIDYVTDKMGSQLTLKAPNAKMRKVADDAPLLERVEYAIQTQVNPQLAGHGGHVKLMEITDAGVAIVA FGGGCNGCSMVDVTLKEGIEKELLQQFSGELTAVRDATEHDRGDHSYY

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Involved in iron-sulfur cluster biogenesis. Binds a 4Fe-4S cluster, can transfer this cluster to apoproteins, and thereby intervenes in the maturation of Fe/S proteins. Could also act as a scaffold/chaperone for damaged Fe/S proteins.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481