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## Datasheet for ABIN1660636 Vnfk Protein (AA 2-475) (His tag)

### Overview

Quantity:	1 mg
Target:	Vnfk (VNFK)
Protein Characteristics:	AA 2-475
Origin:	Azotobacter
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Vnfk protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>SNCELTVLK PAEVKLVKRE REGIINPMYD CQPAGAQYAG IGVKDCIPLV HGGQGCTMFV</p> <p>RLLFAQHFKE NFDVASTSLH EESAVFGGAK RVEEGVLVLA RRYPELRLIP IITTCSTEV</p> <p>GDDIEGTINV CNRALAAEF ERKIYLAPVH TPSFKGSHVT GYAECVKSMF KTITEVHGKG</p> <p>QPSGKLVNFP GWVNP GDVVL LKRYFKEMGV DATVFM DTED FDSPMLPNKS IETHGR TTVE</p> <p>DIADSANALA TLALARYEGA TTGEYLEKTF AVPN SLVNTP YGIKNTDDML RKIAEITGKE</p> <p>IPESLVREPR IAWIALADLA HMFFANKKVA IFGHPDLVLG LAQFCLEVEL EPVLL LIGDD</p> <p>QGSKYKKDPR LQELKDAAHF DMEIVHNADL WELEKRINDG LQLDLIMGHS KGRYVAIEAN</p> <p>IPMVRVGFP FDRAGLYRKP SIGYQGAMEL GEMIANAMFA HMEYTRNKEW ILNTW</p>
Specificity:	Azotobacter chroococcum mcd 1
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

Purity: > 90 %

## Target Details

Target: Vnfk (VNFK)

Abstract: [VNFK Products](#)

Background: Recommended name: Nitrogenase vanadium-iron protein beta chain.  
EC= 1.18.6.1.  
Alternative name(s): Dinitrogenase 2 subunit beta Nitrogenase component I

UniProt: [P15334](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.