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Datasheet for ABIN1660425  
**VnfD Protein (AA 2-474) (His tag)**

### Overview

Quantity:	1 mg
Target:	VnfD (VNF D)
Protein Characteristics:	AA 2-474
Origin:	Azotobacter
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This VnfD protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	PMVLLECDK DIPERQKHIY LKAPNEDTRE FLPIANAATI PGTLSEARGCA FCGAKLVIGG VLKDTIQMIH GPLGCAYDTW HTKRYPTDNG HFNMKYVWST DMKESHVVFV GEKRLKSMH EAFDEMPDIK RMIVYTTTCPT ALIGDDIKAV AKKVMKDRPD VDVFTVECPG FSGVVSQSKGH HVLNIGWINE KVETMEKEIT SEYTMNFIGD FNIQGD TQLL QTYWDR LGIQ VVAHFTGNGT YDDLRCMHQA QLNVVNCARS SGYIANELKK RYGIPLRID SWGFNYMAEG IRKICAFFGI EEKGEELIAE EYAKWKPKLD WYKERLQGKK MAIWTGGPRL WHWTKSVEDD LGVQVAMSS KFGHEEDFEK VIARGKEGTY YIDDGNELEF FEIIDLKPKD VIFTGPRVGE LVKKLHIPPV NGHGYHNGPY MGFEGFVNLA RDMYNAVHNP LRHLAAVDIR DKSQTTPVIV RGAA
Specificity:	Azotobacter vinelandii
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

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Purity: > 90 %

## Target Details

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Target: VnfD (VNFD)

Alternative Name: Nitrogenase vanadium-iron protein alpha chain (vnfD) ([VNFD Products](#))

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

UniProt: [P16855](#)

## Application Details

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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

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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.