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Datasheet for ABIN1662501

**Dug1p (DUG1) (AA 1-481) protein (His tag)**

## Overview

Quantity:	1 mg
Target:	Dug1p (DUG1)
Protein Characteristics:	AA 1-481
Origin:	Saccharomyces cerevisiae
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

## Product Details

Sequence:	MSHSLTSVFQ KIDSLKPQFF SRLTKAIQIP AVSSDESLRS KVFDKAKFIS EQLSQSGFHD IKMVDLGIQP PPISTPNLSL PPVILSRFGS DPSKKTVLVY GHYDVQPAQL EDGWDTEPFK LVIDEAKGIM KGRGVTDDTG PLLSWINVVD AFKASGQEFV VNLVTCFEGM EESGSLKLDE LIKKEANGYF KGVDAVCISD NYWLGTKKPV LTYGLRGCMY YQTIIEGPSA DLHSGIFGGV VAEPMIDLMO VLGSLVDSKG KILIDGIDEM VAPLTEKEKA LYKDIEFSVE ELNAATGSKT SLYDKKEDIL MHRWRYPSSL IHGVEGAFSA QGAKTVIPAK VFGKFSIRTV PDMDSEKLTS LVQKHCAKF KSLNSPNKCR TELIHDGAYW VSDPFNAQFT AAKKATKLVY GVDPDFFTREG GSIPTLTFQ DALNTSVLLL PMGRGDDGAH SINEKLDISN FVGGMKTMAA YLQYYSESPE N
Specificity:	Saccharomyces cerevisiae (strain ATCC 204508 / S288c) (Bakers yeast)
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: Dug1p (DUG1)

Alternative Name: Cys-Gly metallodipeptidase DUG1 (DUG1) ([DUG1 Products](#))

Background: Recommended name: Cys-Gly metallodipeptidase DUG1.  
EC= 3.4.13.-.  
Alternative name(s): Deficient in utilization of glutathione protein 1 GSH degradosomal complex subunit DUG1

UniProt: [P43616](#)

## 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

## Handling

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