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Datasheet for ABIN1627923
ALDH5A1 Protein (AA 48-535) (His tag)

Overview

Quantity:	1 mg
Target:	ALDH5A1
Protein Characteristics:	AA 48-535
Origin:	Bonobo
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH5A1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	AGG LAGLSAALLR TDSFVGGRWL PAAATFPVQD PASGAALGMV ADCGVREARA AVRAAYE AFC CWREVSAKER SLLLRKWYNL MIQNKDDLAR IITAESGKPL KEAHGEILYS AFFLEWFSEE ARRVYGDIIY TPAKDRRALV LKQPIGVA AV ITPWNFPSAM ITRKVGAALA AGCTVVVKPA EDTPFSALAL AELASQAGIP SGVYNVIPCS RKNAKEVG EA ICTDPLVSKI SFTGSTTTGK ILLHHAANSV KRVSME LGGL APFIVFDSAN VDQAVAGAMA SKFRNTGQTC VCSNQFLVQR GIHDAFVKAF AEAMKKNLRV GNGFEEGTTQ GPLINEKAVE KVEKQVND AV SKGATVVTGG KRHQLGKNFF EPTLLCNVTQ DMLCTHEETF GPLAPVIKFD TEEEAIAIAN AADVGLAGYF YSQDPAQIWR VAEQLEVGMV GVNEGLISSV ECPFGGVKQS GLGREGSKYG IDEYLELK YV CYGGL
Specificity:	Pan paniscus (Pygmy chimpanzee) (Bonobo)
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: ALDH5A1

Alternative Name: Succinate-semialdehyde dehydrogenase, mitochondrial (ALDH5A1) ([ALDH5A1 Products](#))

Background: Recommended name: Succinate-semialdehyde dehydrogenase, mitochondrial.
EC= 1.2.1.24.
Alternative name(s): Aldehyde dehydrogenase family 5 member A1 NAD(+)-dependent succinic semialdehyde dehydrogenase

UniProt: [Q3MSM4](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

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

Handling

Storage: -20 °C

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