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Datasheet for ABIN1475917
ARNT Protein (AA 2-800) (His tag)

Overview

Quantity:	1 mg
Target:	ARNT
Protein Characteristics:	AA 2-800
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARNT protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence: AATTANPEM TSDVPSLGPT IASGNP GPGI QGGGAVVQRA IKRRSGLDFD DEGEVNSKFL
 RCDDEQMCND KERFARSDD E QSSADKERLA RENHSEIERR RRNKMTAYIT ELSDMVPTCS
 ALARKPDKLT ILRMAVSHMK SLRGTGNTST DGSYKPSFLT DQELKHLILE AADGFLFIVS
 CETGRVVYVS DSVTPVLNQP QSEWFGSTLY DQVHPDDVDK LREQLSTSEN ALTGRILDLK
 TGTVKKEGQQ SSMRMCMGSR RSFICRMRCG TSSVDPVSMN RLSFLRNRCR NGLGSVKEGE
 PHFVVVHCTG YIKAWPPAGV SLPDDDPEAG QGSKFCLVAI GRLQVTSSPN CTDMSNICQP
 TEFISRHNIE GIFTFVDHRC VATVGYQPQE LLGKNIVEFC HPEDQQLLRD SFQQVVKLKG
 QVLSVMFRFR AKNREWLWMR TSSFTFQNPY SDEM SIFICT NTNKVNSSQE PRPTLSNTIQ
 RSQLGPTTNL SLEMGTVLA SRQQQQQQQQ QQQQQQQQTE LDMVPRDGL ASYSHSQVSV
 QPVATAGSEH SKPLEKSEGL FVQDRDPRFS EIYPNISADQ SKGLSSSTVP ATQQLFSQGS
 SFPPNPRPAE NFRNSGLTPP VTIVQPSSSA GQILAQISRH SNLTQGSAPT WTSSTRPGFS
 AQLPTQATAK TRSSQFGVNN FQTSSSFSAM SLPGAPTASP STAA YPTLPN RGSNFPPETG

Product Details

QTTGQFQTRT AEGVGWVPQW QGQPPHHRSS SNEQHVQPTS AQPSSQPEVF QEMLSMGLDQ
SNTYNNEEFP DLTMFPPFSE

Specificity: Rattus norvegicus (Rat)

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.

Purity: > 90 %

Target Details

Target: ARNT

Abstract: [ARNT Products](#)

Background: Recommended name: Aryl hydrocarbon receptor nuclear translocator.
Short name= ARNT protein.
Alternative name(s): Dioxin receptor, nuclear translocator Hypoxia-inducible factor 1-beta.
Short name= HIF-1-beta.
Short name= HIF1-beta

UniProt: [P41739](#)

Pathways: [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#),
[Regulation of Carbohydrate Metabolic Process](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Warburg Effect](#)

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.