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Datasheet for ABIN1645477

MR1 Protein (AA 23-302) (His tag)

Overview

Quantity:	1 mg
Target:	MR1
Protein Characteristics:	AA 23-302
Origin:	Pongo pygmaeus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This MR1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	RTHSLRYF RLGVS DPIRG VPEFISVG YV DSHPIITYDS VTQQKEPRAP WMAENLAPDH WERYTQLLRG WQQMFKVELK RLQRHYNHSG SHTYQRMIGC ELLEDGSTTG FLQYAYDGQD FLIFNKDTLS WLAVDNVAHT IKRAWEANQH ELQYQKNWLE EECIAWLKRF LEYGKDTLQR TEPPLVRVNR KETFPGVTTL FCKAHGFYPP EIYMTWMKNG EEIVQEMDYG DILPSGDGTY QTWASFELDP QSSNLYSCHV EHCGVHMLVQ VPQESEA IPL VM
Specificity:	Pongo pygmaeus (Bornean orangutan)
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:	MR1
Alternative Name:	Major histocompatibility complex class I-related gene protein (MR1) (MR1 Products)
Background:	Recommended name: Major histocompatibility complex class I-related gene protein. Alternative name(s): MHC class I-related gene protein
UniProt:	Q9BD50
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Cancer Immune Checkpoints

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.