Datasheet for ABIN7320560

IDO1 Protein (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	IDO1
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IDO1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse IDO1/IDO Protein (His Tag)
Sequence:	Met1-Pro407
Characteristics:	Recombinant Mouse Indoleamine 2,3-dioxygenase is produced by our E.coli expression system and the target gene encoding Met1-Pro407 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IDO1
Alternative Name:	IDO1/IDO (IDO1 Products)
Background:	Background: Indoleamine 2,3-dioxygenase (IDO) is a heme enzyme that initiates the oxidative degradation of the least abundant, essential amino acid, l-tryptophan, along the kynurenine pathway. This protein is normally expressed in the dendritic cells, macrophages, microglia,

Target Details

	eosinophils, fibroblasts, endothelial cells, and most tumor cells. IDO activity is associated with immunosuppression and immune attenuation. Several studies showed that IDO can contribute to immune escape when expressed directly in tumor cells or when expressed in immunosuppressive antigen presenting cells such as tolerogenic dendritic cells or tumor associated macrophages. IDO also is a promising therapeutic target for the treatment of cancer, chronic viral infections, and other diseases characterized by pathological immune suppression. Synonym: Indole 2,3-dioxygenase, Indoleamine 2,3-dioxygenase 1, IDO-1, IDO1, IDO, INDO
Molecular Weight:	47.1 kDa
UniProt:	P28776
Pathways:	Activated T Cell Proliferation

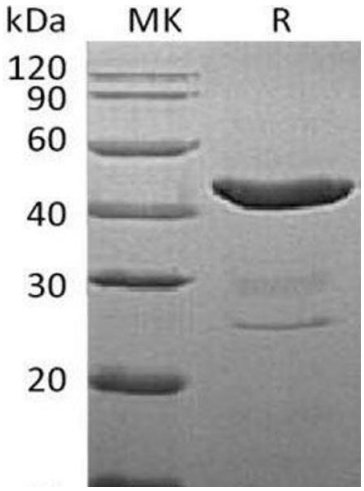
Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Sodium Acetate, 150 mM NaCl and 20 % Glycerol, pH 4.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Images



Western Blotting

Image 1.