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Datasheet for ABIN7121447 **PADI2 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	PADI2
Origin:	Cynomolgus
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PADI2 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus PADI2 Protein, His Tag (MALS verified)
Sequence:	Met 1 - Pro 665
Characteristics:	Cynomolgus PADI2, His Tag (PA2-C5545) is expressed from Baculovirus-Insect cells. It contains AA Met 1 - Pro 665 (Accession # A0A2K5TST4-1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	PADI2
Alternative Name:	PADI2 (PADI2 Products)
Background:	Synonyms: PADI2,PAD-H19,KIAA0994,PAD2,PD12,

Target Details

Description: Protein-arginine deiminase type-2 (PADI2) are calcium-dependent histone-modifying enzymes whose activity is dysregulated in inflammatory diseases and cancer. This enzyme which catalyze the post-translational deimination of proteins by converting arginine residues into citrullines in the presence of calcium ions. The type II enzyme is the most widely expressed family member. Known substrates for this enzyme include myelin basic protein in the central nervous system and vimentin in skeletal muscle and macrophages.

Molecular Weight: 77.6 kDa

NCBI Accession: [XP_005544699](#)

Application Details

Application Notes: This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 77.6 kDa. The protein migrates as 66-70 kDa under reducing (R) condition due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS, 1 mM EDTA, 0.5 mM TCEP, pH 7.4

Storage: -80 °C

Storage Comment: -70°C