This product is still under development. Please contact us if you have interest in this product. We will accelerate the development process accordingly and reserve this product for you as request.

Synonym

PADI2,PAD-H19,KIAA0994,PAD2,PDI2

Source

Cynomolgus PADI2, His Tag (PA2-C5146) is expressed from E.coli cells. It contains AA Met 1 - Pro 665 (Accession # A0A2K5TST4-1).

Molecular Characterization

Poly-his	PADI2(Met 1 - Pro 665) A0A2K5TST4-1

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 77.6 kDa.

Endotoxin

Formulation

Delivered as bulk protein in a 0.2 μm filtered solution of PBS, pH7.4 with glycerol as protectant.

Contact us for customized product form or formulation.

Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

Shipping

This product is supplied as sterile liquid solution and shipped frozen with dry ice, please inquire the shipping cost.

Background

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.

References

(1) Slade DJ, et al. ACS Chem Biol. 2015. 10(4):1043-53.
(2) Ishigami A, et al. Arch Biochem Biophys. 2002. 407(1):25-31.
(3) Wang L, et al. Cancer Res. 2017. 77(21):5755-5768.

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.