PADI4 Protein, Human (sf9, His)

Cat. No.:	HY-P77121
Synonyms:	Protein-Arginine Deiminase Type-4; HL-60 PAD; Peptidylarginine Deiminase IV; PADI5; PDI5
Species:	Human
Source:	Sf9 insect cells
Accession:	AAH25718 (M1-P663)
Gene ID:	23569
Molecular Weight:	Approximately 76.3 kDa.

PROPERTIES

Biological Activity	It has no enzyme activity to convert peptidylarginine into peptidylcitrulline.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 500 mM NaCl, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PADI4 is a hydrolase that converts arginine residues in histones to citrulline. PADI4 promotes tumor progression by up-regulating the cytokine receptor CXCR2. PADI4 can also cause inflammation and immune responses.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA