

Recombinant Human PADI4 Protein (His Tag)

Catalog Number:PKSH032973



Note: Centrifuge before opening to ensure complete recovery of vial contents.

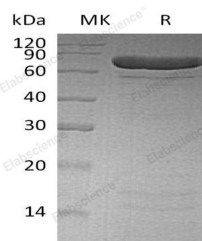
Description

Synonyms	Protein-Arginine Deiminase Type-4;HL-60 PAD;Peptidylarginine Deiminase IV;Protein-arginine Deiminase type IV;PADI4;PADI5;PDI5
Species	Human
Expression Host	E.coli
Sequence	Met 1-Pro663
Accession	AAH25718.1
Calculated Molecular Weight	76.2 kDa
Observed molecular weight	78 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 50mM Tris-HCl, 500mM NaCl, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Protein-Arginine Deiminase Type-4 (PADI4) belongs to the Protein Arginine Deiminase family. PADI4 is expressed in eosinophils and neutrophils, but it is not expressed in peripheral monocytes or lymphocytes. PADI4 catalyzes the citrullination/deimination of arginine residues of proteins. In addition, PADI4 may play an important role in tumourigenesis. Genetic variations in PADI4 are a cause of susceptibility to rheumatoid arthritis (RA), which is a systemic inflammatory disease with autoimmune features and a complex genetic component.

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