



**Recombinant Human Protein-Arginine Deiminase Type-4/PADI4 Protein(N-6His)**

**Cat.NO.: TP06045**

3th Edition

**Synonyms:**Protein-Arginine Deiminase Type-4; HL-60 PAD; Peptidylarginine Deiminase IV; Protein-arginine Deiminase type IV; PADI4; PADI5; PDI5

**Description:**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.

**Form:**PBS

**Molecular Weight:**76.2 kDa

**Sequences:**Met 1-Pro663

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.