

32-8126: Recombinant Human Protein-Arginine Deiminase Type-4/PADI4 (N-6His)

Gene : PADI4
Gene ID : 23569
Uniprot ID : Q9UM07

Description

Source: E. coli.
MW :76.2kD.

Recombinant Human PADI4/ is produced by our E.coli expression system and the target gene encoding Met1-Pro663 is expressed with a 6His tag at the N-terminus. 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 tumorigenesis. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 50mM Tris, 500mM NaCl, pH 7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHSSGLVPRGSHMAQGLIRVTPEQPTHAVCVLGLTLQLDICSSAPEDCTSFSINASPGVVVDIAH
SPPAKKKSTGSSTWPLDPGVEVTLTMKAASGSTGDQKVQISYYGPKTPPVKALLYLTAVEISLCADITRTGKVKP
TRAVKDQRTWTWGPCGQGAILLVNCDRDNLESSAMDCEDDEVLDSEDLQDMSLMTLSTKTPKDFFTNHTLV
LHVARSEMDKVRVVFQATRGKLSKCSVVLGPKWPSHYLMVPGGKHNMDFYVEALAFPD TDFPGLITLTISLLDT
SNLELPEAVVFQDSVFRVAPWIMTPNTQPPQEVYACSFENEDFLKSVTTLAMKAKCKLTICPEEENMDDQWM
QDEMEIGYIQAPHKTLPVVFDSPRNRGLKEFPIKRVMPDFGYVTRGPQTGGISGLDSFGNLEVSPPVTVRGKE
YPLGRILFGDSCYPSNDSRQMHQALQDFLSAQVQAPVKLYSDWLSVGHVDFLSFVPAPDRKGFRLLLASPR
SCYKLFQEQNEGHGEALLFEGIKKKKQKIKNLSNKTREHNSFVERCIDWNRELLKRELGLAESDIIDIPQLF
KLKEFSKAEAFFPNMVMNMLVLGKHLGIPKPFPGVINGRCCLEEKVCSLLEPLGLQCTFFINDFFTYHIRHGEVHCCT
NVRKPFSEFKWWNMVP

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.