

Product datasheet

Recombinant human PADI3 / PAD3 protein ab196421

2 Images

Description

Product name	Recombinant human PADI3 / PAD3 protein
Biological activity	Specific Activity: ≥22 pmole/min/μg. Enzyme reaction was performed in a buffer (50 mM Tris, pH 7.4, 50 mM NaCl, 10 mM CaCl ₂ , and 2 mM DTT) containing PADI and 10 mM BAEE as a substrate for 25 min at 37°C.
Purity	≥ 53 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	Q9ULW8
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Sequence	MSLQRMVRSLEHPTSAVVCVAGVETLVDIYGSVPEGTEMF EYVGTPGVDI YISPNMERGRERADTRRWRFDATEIIVVMNSPSNDLNDS HVQISYHSSH EPLPLAYAVLYLTCVDISLDCDLNCEGRQDRNFVDKRQW VWGPSGYGGIL LVNCDRDDPSCDVQDNCQHVHCLQDLEDMSVMVLR QGPAALFDDHKL LHTSSYDAKRAQVFHICGPEDVCEAYRHVLGQDKVSYEV PRLHGDEERFF VEGLSFPDAGFTGLISFHVTLDDSNEDFSASPIFTDTVVF RVAPWIMTP STLPPLEVYVCRVRNNTCFVDAVAELARKAGCKLTICPQA ENRNDRWIQD EMELGYWQAPHKTLPVVFDSPRNGELQDFPYKRILGPDF GYVTREPRDRS VSGLDSEFGNLEVSPVAVANGKEYPLGRILIGGNLPGSSGR RVTQVVRDFL HAQKVQPPVELFVDWLAVGHVDEFVSFVPAPDGKGF LLASPGACFKLF QEKQKCGHGRALLFQGVVDDEQVKTISINQVLSNKDLIN
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NKFVQSCIDW
NREVLKRELGLAECDIIDIPQLFKTERKKATAFFPDLVNML
VLGKHLGIP
KPF GPIINGCCCLEEKVRSLLLEPLGLHCTFIDDFTPYHMLH
GEVHC GTNV CRKPFSFKWWNMVP

Predicted molecular weight	75 kDa including tags
Amino acids	1 to 664
Tags	DDDDK tag C-Terminus
Additional sequence information	(NM_016233).

Specifications

Our [Abpromise guarantee](#) covers the use of **ab196421** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Liquid

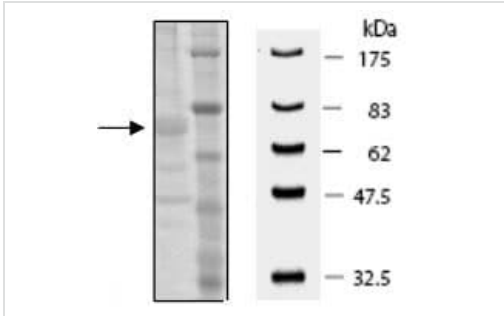
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.05% (R*,R*)-1,4-Dimercaptobutan-2,3-diol Contains 80 µg/ml DDDDK peptide. This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

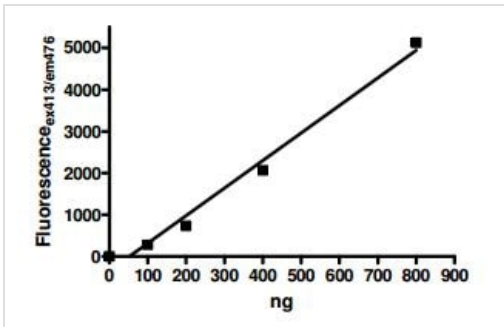
Function	Catalyzes the deimination of arginine residues of proteins.
Tissue specificity	Hair follicles, and epidermis at very low levels.
Sequence similarities	Belongs to the protein arginine deiminase family.
Cellular localization	Cytoplasm.

Images



10% SDS-PAGE analysis of 2.85 µg ab196421 with Coomassie staining.

SDS-PAGE - Recombinant human PADI3 / PAD3 protein (ab196421)



Activity assay of ab196421.

Functional Studies - Recombinant human PADI3 / PAD3 protein (ab196421)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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