

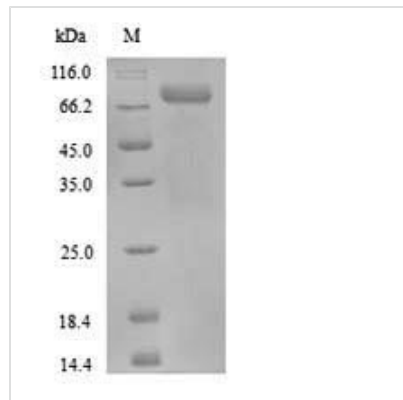


Recombinant Human Protein-arginine deiminase type-3 (PADI3)

Product Code	CSB-YP891552HU
Relevance	Catalyzes the deimination of arginine residues of proteins.
Abbreviation	Recombinant Human PADI3 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9ULW8
Alias	Peptidylarginine deiminase III Protein-arginine deiminase type III
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSLQRIVRVSLIHPTSAVVCVAGVETLVLDIYGSVPEGTEMFEVYGTPGVDIYISP NMERGRERADTRRWRFDATLEIIVVMNSPSNDLNDSHVQISYHSSHEPLPLAY AVLYLTCVDISLDCDLNCEGRQDRNFVDKRQWVWGPGSYGGILLVNCRRDDP SCDVQDNCDQHVCCLQDLEDMSVMVLRTQGPAALFDDHKLVLHTSSYDAKR AQVFHICGPEDVCEAYRHVLGQDKVSYEVPRLHGDEERFFVEGLSFPDAGFT GLISFHVTLDDSNEDFSASPIFTDTVVFRVAPWIMTPSTLPPLEVYVCRVRNN TCFVDAVAELARKAGCKLTICPQAENRNDRWIQDEMEGLGYVQAPHKTLPPVFD SPRNGELQDFPYKRILGPDFGYVTREPRDRSVSGLDSFGNLEVSPPVVANGK EYPLGRILIGGNLPGSSGRRVTQVVRDFLHAQKVQPPVELFVDWLAVGHVDEF LSFVPAPDGKGFRMLLASPGACFKLFQEKQKCGHGRALLFQGVVDDEQVKTI SINQVLSNKDLINYNKFVQSCIDWNREVLKRELGLAECDIIDIPQLFKTERKKAT AFFPDLVNMLVLGKHLGIPKPGPIINGCCCLEEKVRSLLLEPLGLHCTFIDDFTP YHMLHGEVHCGTNVCRKPFSSFKWWNMVP
Research Area	Epigenetics and Nuclear Signaling
Source	Yeast
Target Names	PADI3
Protein Names	Recommended name: Protein-arginine deiminase type-3 EC= 3.5.3.15 Alternative name(s): Peptidylarginine deiminase III Protein-arginine deiminase type III
Expression Region	1-664aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	76.7kDa


Protein Length

Full Length

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant Human PADI3 protein production in Yeast cells involves the integration of a DNA fragment encoding the Human PADI3 protein (1-664aa) into a plasmid vector, which is then introduced into Yeast cells. Following screening, positive cells are cultured and induced to synthesize the PADI3 protein. A N-terminal 6xHis tag is attached to the protein. Cell lysis is carried out to harvest the recombinant Human PADI3 protein, which is purified through affinity purification and then analyzed using SDS-PAGE and subsequent staining of the gel with Coomassie Brilliant Blue. The purity of the resulting recombinant Human PADI3 protein reaches over 90%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.