

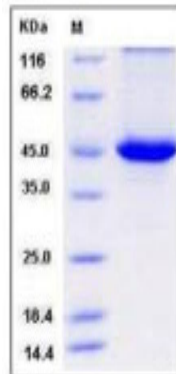
SERPINB4

Recombinant Human SerpinB4 (His Tag)

Catalog No.	CRH683A-His CRH683B-His	Quantity:	20 µg 50 µg
Alternate Names:	Serpine B4, Leupin, Peptidase inhibitor 11, PI-11, Squamous cell carcinoma antigen 2, SCCA-2		
Description:	SerpineB4 is a member of the serine protease inhibitor (serpin) family thought to act as a protease inhibitor to modulate the host immune response to tumor cells. Serine proteases are critical for epidermal barrier homeostasis, and their aberrant expression or activity is associated with chronic skin diseases. Elevated levels of the serine protease inhibitors SerpinB3 and SerpinB4 are seen in patients with atopic dermatitis and psoriasis		
UniProt ID:	P48594		
Protein Construction:	A DNA sequence encoding the human SERPINB4 (Met 1-Pro 390) was expressed, with a polyhistidine tag at the N-terminus.		
Source:	Baculovirus-Insect Cells		
Formulation:	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 20% gly, 1mM EDTA, 1mM DTT Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants		
Molecular Weight:	The recombinant human SERPINB4 consists of 409 amino acids with a predicted MW of 47.1 kDa and migrates at ~45 kDa in SDS-PAGE under reducing conditions.		
Purity:	> 88 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method		
Biological Activity:	Testing in progress		
Predicted N-terminal:	Met		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		



SDS-PAGE



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