

BPIFA2 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P76749
Synonyms:	BPI fold-containing family A member 2; PSP; C20orf70; SPLUNC2
Species:	Human
Source:	HEK293
Accession:	Q96DR5 (M1-I249)
Gene ID:	140683
Molecular Weight:	Approximately 59 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	BPIFA2 protein, also known as bactericidal/permeability-increasing fold-containing family A member 2, exhibits remarkable antibacterial activity, specifically against <i>Pseudomonas aeruginosa</i> . This protein has the ability to effectively combat bacterial infections caused by <i>Pseudomonas aeruginosa</i> , a pathogenic bacterium known to be resistant to many antibiotics. The potent antibacterial activity of BPIFA2 protein suggests its potential as a therapeutic agent or as a target for the development of novel antibacterial strategies against <i>Pseudomonas aeruginosa</i> infections. Further exploration is required to fully understand the underlying mechanisms of action and the potential clinical applications of BPIFA2 protein.
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Caution: Product has not been fully validated for medical applications. For research use only.

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