

BPIFA2 Protein, Human (HEK293, His)

Cat. No.:	HY-P76750
Synonyms:	BPI fold-containing family A member 2; PSP; C20orf70; SPLUNC2
Species:	Human
Source:	HEK293
Accession:	Q96DR5 (E19-I249)
Gene ID:	140683
Molecular Weight:	Approximately 35 kDa

PROPERTIES

AA Sequence	<pre> E S L L D N L G N D L S N V V D K L E P V L H E G L E T V D N T L K G I L E K L K V D L G V L Q K S S A W Q L A K Q K A Q E A E K L L N N V I S K L L P T N T D I F G L K I S N S L I L D V K A E P I D D G K G L N L S F P V T A N V T V A G P I I G Q I I N L K A S L D L L T A V T I E T D P Q T H Q P V A V L G E C A S D P T S I S L S L L D K H S Q I I N K F V N S V I N T L K S T V S S L L Q K E I C P L I R I F I H S L D V N V I Q Q V V D N P Q H K T Q L Q T L I </pre>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>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.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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