

## Spondin-2/SPON2 Protein, Human (Q9BUD6, HEK293, His)

<b>Cat. No.:</b>	HY-P70142A
<b>Synonyms:</b>	rHuSpondin-2/SPON2, His; Spondin-2; Differentially expressed in cancerous and non-cancerous lung cells 1; DIL-1; Mindin; SPON2
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	Q9BUD6 (Q27-V331)
<b>Gene ID:</b>	10417
<b>Molecular Weight:</b>	38-42 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> Q P L G G E S I C S   A R A L A K Y S I T   F T G K W S Q T A F   P K Q Y P L F R P P A Q W S S L L G A A   H S S D Y S M W R K   N Q Y V S N G L R D   F A E R G E A W A L M K E I E A A G E A   L Q S V H E V F S A   P A V P S G T G Q T   S A E L E V Q R R H S L V S F V V R I V   P S P D W F V G V D   S L D L C D G D R W   R E Q A A L D L Y P Y D A G T D S G F T   F S S P N F A T I P   Q D T V T E I T S S   S P S H P A N S F Y Y P R L K A L P P I   A R V T L V R L R Q   S P R A F I P P A P   V L P S R D N E I V D S A S V P E T P L   D C E V S L W S S W   G L C G G H C G R L   G T K S R T R Y V R V Q P A N N G S P C   P E L E E E A E C V   P D N C V </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 1 mM EDTA, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	Spondin-2, also known as SPON2, is a versatile cell adhesion protein crucial for hippocampal embryonic neuron adhesion and outgrowth. Its functional diversity extends to binding bacteria and their components, serving as an opsonin that facilitates macrophage phagocytosis of bacteria. Essential in initiating the innate immune response, SPON2 acts as a unique pattern-recognition molecule in the extracellular matrix (ECM) for microbial pathogens, specifically binding bacterial
-------------------	--

---

lipopolysaccharide (LPS). Existing as a monomer, SPON2 interacts with integrins, further emphasizing its role in mediating cell-matrix interactions (

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA