A Reliable Research Partner in Life Science and Medicine

# Recombinant Human Spondin 2/SPON2 Protein (His Tag)

Catalog Number: PKSH033076

Note: Centrifuge before opening to ensure complete recovery of vial contents.

$\mathbf{r}$		crip					
	00	0	РΤ	n	ŤΤ		m
v	$\mathbf{c}$	v.		w	w	w	ш

**Species** Human

Source HEK293 Cells-derived Human Spondin 2;SPON2 protein Gln27-Val331, with an C-

terminal His

Calculated MW34.4 kDaObserved MW38-42 kDaAccessionAAH02707.1

**Bio-activity** Not validated for activity

#### **Properties**

**Purity** > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

**Storage** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80

°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

ShippingThis product is provided as lyophilized powder which is shipped with ice packs.FormulationLyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA,

pH 7.4.

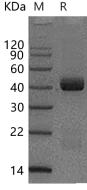
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants

before lyophilization.

Please refer to the specific buffer information in the printed manual.

**Reconstitution** Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Spondin-2, also referred to as mindin, belongs to the F-spondin family of secreted extracellular matrix proteins. Spondins are characterised by the presence of F-spondin domains 1 and 2 (FS1 and FS2) at the N-terminus and a thrombospondintype 1 repeat (TSR1) domain at the C-terminus. Spondin-2 functions as a pattern-recognition molecule for bacterial and viral pathogens and as an integrin ligand for inflammatory cell recruitment and T cell priming. In addition to its roles in promoting neuron outgrowth and inhibiting both cancer and angiogenesis, Spondin-2 plays an important role in the initiation of the immune response and is involved in inflammatory processes.

#### For Research Use Only