

# Recombinant Human R-Spondin-1

Catalog Number: Y03501

## Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Human R-Spondin1 (Ser21-Ala263) Accession # Q2MKA7
Predicted molecular mass	26.7kDa

## Specification:

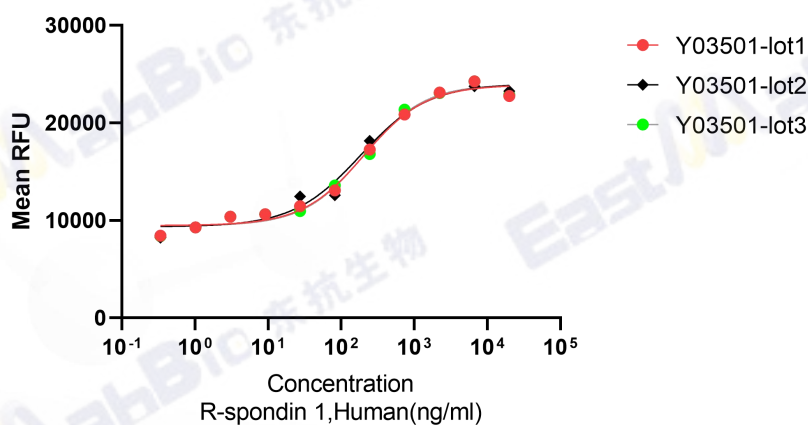
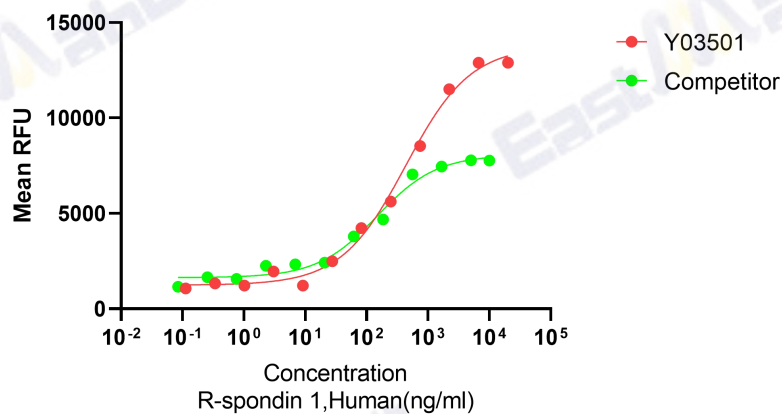
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Activity	Measured by its ability to induce Topflash reporter activity in CHO cells in the presence of 50ng/ml wnt3a. The expected ED <sub>50</sub> is <1.0 µg/ml.
Formulation	Lyophilized from a 0.22 µm filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Size	50 µg/vial, 1 mg/vial

## Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water.
Shipping	The product is shipped with blue ice
Storage & Stability	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution  <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b>

## Data:

## Bioactivity



Measured by its ability to induce Topflash reporter activity in CHO cells in the presence of 50ng/ml wnt3a. The expected  $ED_{50}$  is  $< 1.0 \mu\text{g/ml}$ . The activity of Recombinant Human R-Spondin-1(cat no Y03501) was higher than other competing products.