



Recombinant Protein Technical Manual

Recombinant Human RSPO3 Protein (Fc & His Tag)

RPES3051

Product Data:

Product SKU: RPES3051

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9BXY4

Protein Information:

Molecular Mass: 56.3 kDa

AP Molecular Mass: 61 kDa

Tag: C-Fc-6His

Bio-activity:

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

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

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.2.

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

Application:

Synonyms: R-spondin-3;RSPO3;Protein with TSP type repeat; Roof plate-specific spondin-3; Thrombospondin type domain-containing protein 2; PWTSR; THSD2; CRISTIN1

Immunogen Information:

Sequence: Gln22-His272

Background:

R-spondin-3 (RSPO3), also known as Protein with TSP type repeat, Roof plate-specific spondin-3, Thrombospondin type domain-containing protein 2, PWTSR, THSD2 and CRISTIN1, is a member of the thrombospondin type 1 repeat supergene family. RSPO3 is a secreted protein and widely expressed in many tissues. RSPO3 contains two Furin-like repeats which have been found in a variety of eukaryotic proteins involved in the mechanism of signal transduction by receptor tyrosine kinases, and one TSP type domain, RSPO3 functions as a activator of the beta-catenin signaling cascade, leading to TCF-dependent gene activation. Otherwise, RSPO3 may negatively regulate the TGF-beta pathway.