

Recombinant Human R-spondin 1

CODE No.	J2-004
FORM	lyophilized
QUANTITY	50 µg
DESCRIPTION	<p>Recombinant protein of human R-spondin 1 (21-146 aa) expressed in <i>E. coli</i>. This product is a bioactive domain consisting of 21 to 146 amino acids which contain two adjacent cysteine-rich furin-like domains (Fu1 and Fu2). Fu1 binds to the extracellular domain of ZNRF3^{*1} and RNF43^{*2}, and Fu2 binds to the extracellular domain of LGR4/5/6^{*3,1)}</p> <p><small>*1 zinc and ring finger 3, *2 ring finger protein 43, *3 leucine-rich repeat-containing G-protein coupled receptors 4/5/6</small></p>
MOLECULARWEIGHT	<p>13.9 kDa The molecular weight was calculated from the amino acid sequence.</p>
PURITY	> 90% by SDS-PAGE
ENDOTOXIN LEVEL	< 0.1 EU/µg by the LAL assay.
FORMULATION	Lyophilized from PBS
RECONSTITUTION	Reconstitute with 250 µL of ice-cold distilled water on ice.
STORAGE	Store at -20°C or below.
EXPIRATION	The expiration date is indicated on the tube label. After reconstitution, it can be stable for 1 week at 4°C. Or, prepare appropriate aliquots and freeze them at -80°C using low retention tube. Avoid repeated freezing and thawing.
DIRECTION for USE	As a Wnt signal activation
REFERENCE	<p>1) Gui-Xun, Shi. <i>et al.</i> The role of R-spondins and their receptors in bone metabolism. <i>Progress in biophysics and molecular biology</i>. 2016, vol. 122, p. 93 [PMID: 27237581]</p>

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