

ABSTRACT

A method for producing a propylene-based block copolymer ensures excellent olefin polymerization activity and activity with respect to hydrogen (hydrogen
5 response) during polymerization, and produces a propylene-based block copolymer that exhibits a high MFR, high stereoregularity, and excellent rigidity. The method includes copolymerizing propylene and an α -olefin in the presence of a catalyst that includes (I) a solid catalyst component that includes titanium, magnesium, a halogen, and a compound represented by $R^1O-C(=O)-O-Z-OR^2$, and (II) a compound represented
10 by $R^3_pAlQ_{3-p}$, to obtain a propylene-based block copolymer.