

## ABSTRACT

A solid catalyst component for olefin polymerization includes titanium, magnesium, a halogen, a compound represented by  $(R^1)_kC_6H_{4-k}(COOR^2)(COOR^3)$ , and  
5 a compound represented by  $R^4O-C(=O)-O-Z-OR^5$ . The solid catalyst component is a novel solid catalyst component for olefin polymerization that achieves excellent olefin polymerization activity and activity with respect to hydrogen during polymerization, and can produce an olefin polymer that exhibits a high MFR, high stereoregularity, and excellent rigidity.