CATALYST COMPONENT, CATALYST FOR OLEFIN POLYMERIZATION, AND PROCESS FOR PRODUCING OLEFIN POLYMER USING CATALYST

ABSTRACT

A polymer having high catalyst activity, excellent hydrogen response, high stereoregularity and high yield can be obtained by polymerizing olefins in the presence of a catalyst for olefin polymerization comprising (A) a solid catalyst component containing magnesium, titanium, a halogen,, and an electron donor compound, (B) an organoaluminum compound shown by the formula $R^6_pAlQ_{3-p}(R^1R^2N)_m$, and (C) an aminosilane compound shown by the formula $(R^3HN)_nR^4_pSi(OR^5)_q$.

Figure 1