

ABSTRACT

A method for producing an unsaturated hydrocarbon, comprising: a step of contacting a raw material gas containing an alkane with a dehydrogenation catalyst to obtain a product gas containing at least one unsaturated hydrocarbon selected from a group consisting of olefins and conjugated dienes, wherein the dehydrogenation catalyst contains at least one additive element selected from the group consisting of Na, K, and Ca, Al, Mg, a group 14 metal element, and Pt, and a content of the additive element is 0.05% by mass or more and 0.70% by mass or less based on a total mass of the dehydrogenation catalyst.