

ABSTRACT

Disclosed is a method for producing a fusion protein in which an antibody and a lysosomal enzyme are fused. The method is a method for producing a fusion protein in which an antibody and a human lysosomal enzyme are fused, the method including: (a) culturing mammalian cells producing the fusion protein in a serum-free medium to secrete the fusion protein in a culture medium; (b) collecting a culture supernatant by removing the mammalian cells from the culture medium; and (c) purifying the fusion protein from the culture supernatant by using a column chromatography using a material to which a substance having affinity for the antibody is bound as a solid phase, an anion exchange column chromatography, a cation exchange column chromatography, and a size exclusion column chromatography.

Fig. 1