

METHOD FOR PREPARING POLYPEPTIDE SOLUTION FOR EVALUATING
PHYSIOLOGICAL ACTIVITY AND METHOD FOR EVALUATING PHYSIOLOGICAL
ACTIVITY OF POLYPEPTIDE

ABSTRACT

A method for preparing a polypeptide solution for evaluating a physiological activity and A method for evaluating a physiological activity of a polypeptide, the method includes: (A) bringing a crude polypeptide solution after cell-free expression into contact with a carrier to bind a polypeptide having a pH-responsive affinity tag to the carrier; (B) eluting the polypeptide bound to the carrier with an acidic aqueous solution or a basic aqueous solution, each having a concentration of less than 50 mM, to obtain an eluted solution; and (C) adding a basic aqueous solution or an acidic aqueous solution to the eluted solution to neutralize an acid or a base contained in the eluted solution, and neutralizing in such a manner that a concentration of a salt formed by a neutralization reaction is less than 50 mM, to obtain a polypeptide solution.

[No Figure]