

## aliphatic (R)-hydroxynitrile lyase

Cat. No. EXWM-4882

Lot. No. (See product label)

### Introduction

**Description** The enzyme contains  $Zn^{2+}$ . The enzyme catalyses the stereoselective synthesis of aliphatic (R)-cyanohydrins. No activity towards mandelonitrile and 4-hydroxymandelonitrile. Natural substrates for the (R)-oxynitrilase from *Linum usitatissimum* are acetone and butan-2-one, which are the building blocks of the cyanogen glycosides in *Linum*, linamarin and lotaustralin, or linustatin and neolinustatin, respectively.

**Synonyms** (R)-HNL; (R)-oxynitrilase; (R)-hydroxynitrile lyase; LuHNL

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.1.2.46

**Reaction** (2R)-2-hydroxy-2-methylbutanenitrile = cyanide + butan-2-one

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.