

## Recombinant Human Homogentisate 1,2-dioxygenase

Cat. No. EXWM-0568

Lot. No. (See product label)

### Introduction

#### Description

Homogentisate 1,2-dioxygenase (homogentisic acid oxidase, homogentisate oxidase, homogentisicase) is an enzyme which catalyzes the conversion of homogentisate to 4-maleylacetoacetate. Homogentisate 1,2-dioxygenase or HGD is involved in the catabolism of aromatic rings, more specifically in the breakdown of the amino acids tyrosine and phenylalanine.

### Product Information

<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Form</b>	Liquid or Lyophilized powder
<b>EC Number</b>	EC 1.13.11.5
<b>CAS No.</b>	9029-49-6
<b>Molecular Weight</b>	54.0 kDa
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Activity</b>	Not detected
<b>Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Reaction</b>	homogentisate + O <sub>2</sub> = 4-maleylacetoacetate
<b>Notes</b>	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

<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
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