

# Recombinant Human Esterase D/ESD Protein (His Tag)

Catalog Number: PKSH032404

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

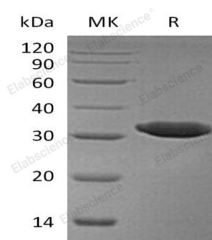
## Description

<b>Synonyms</b>	S-Formylglutathione Hydrolase;FGH;Esterase D;Methylumbelliferyl-Acetate Deacetylase;ESD
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Ala282
<b>Accession</b>	AAH01169
<b>Calculated Molecular Weight</b>	32.6 kDa
<b>Observed molecular weight</b>	31 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 10% Glycerol, pH 8.0.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Human Esterase D is a cytoplasmic serine hydrolase that belongs to the esterase D family. Esterase D is involved in the detoxification of formaldehyde. Esterase D plays a part in a variety of substrates, including O-acetylated sialic acids, which may involve in the recycling of sialic acids. Esterase D is used as a genetic marker for retinoblastoma and Wilson's disease.

## For Research Use Only

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