

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

**Catalog Number:** PKSH032404

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

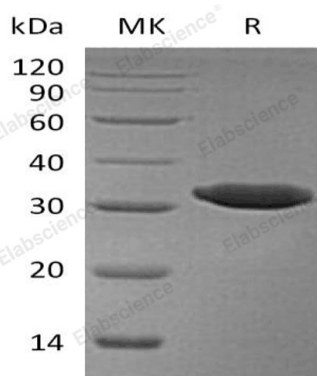
### Description

|                      |  |
|----------------------|--|
| <b>Species</b>       | Human  |
| <b>Source</b>        | E.coli-derived Human Esterase D;ESD protein Met 1-Ala282, with an C-terminal His |
| <b>Calculated MW</b> | 32.6 kDa   |
| <b>Observed MW</b>   | 31 kDa   |
| <b>Accession</b>     | AAH01169   |
| <b>Bio-activity</b>  | Not validated for activity   |

### Properties

|                      |   |
|----------------------|---|
| <b>Purity</b>        | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Concentration</b> | Subject to label value.   |
| <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.  |

### 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 involves in the recycling of sialic acids. Esterase D is used as a genetic marker for retinoblastoma and Wilson's disease.

### For Research Use Only