



Recombinant Protein Technical Manual  
Recombinant Human Esterase D/ESD Protein (His  
Tag)  
RPES3283

### Product Data:

**Product SKU:** RPES3283

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P10768

### Protein Information:

**Molecular Mass:** 32.6 kDa

**AP Molecular Mass:** 31 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** 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.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 10% Glycerol, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** S-Formylglutathione Hydrolase; FGH; Esterase D; Methylumbelliferyl-Acetate Deacetylase; ESD

## Immunogen Information:

**Sequence:** Met 1-Ala282

## 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.