



# Recombinant Human S-formylglutathione hydrolase (ESD)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP007823HU  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P10768  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | MALKQISSNK CFGGLQKQVFE HDSVELNCKM KFAVYLPPKA ETGKCPALYW<br>LSGLTCTEQN FISKSGYHQS ASEHGLVIA PDTSPRGCNI KGEDESWDFG<br>TGAGFYVDAT EDPWKTNYRM YSYVTEELPQ LINANFPVDP QRMSIFGHSM<br>GGHGALICAL KNPGKYKSVS AFAPICNPVL CPWGKKAFSG YLGTDQSKWK<br>AYDATHLVKS YPGSQLDILI DQ GKDDQFLL DGQLLPDNFI AACTEKKIPV<br>VFRLQEGYDH SYYFIATFIT DHIRHHAKYL NA  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | ESD   |
| <b>Protein Names</b>     | Recommended name: S-formylglutathione hydrolase Short name= FGH EC=<br>3.1.2.12 Alternative name(s): Esterase D Methylumbelliferyl-acetate deacetylase<br>EC= 3.1.1.56  |
| <b>Expression Region</b> | 1-282   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at<br>4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full length protein   |
| <b>Target Details</b>    | This gene encodes a serine hydrolase that belongs to the esterase D family.<br>The encoded enzyme is active toward numerous substrates including O-<br>acetylated sialic acids, and it may be involved in the recycling of sialic acids.<br>This gene is used as a genetic marker for retinoblastoma and Wilson s disease.  |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the<br>contents to the bottom. Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final<br>concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final<br>concentration of glycerol is 50%. Customers could use it as reference. |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients,<br>storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life<br>of lyophilized form is 12 months at -20°C/-80°C.  |