

Recombinant human Esterase D/ESD protein

Catalog Number: ATGP0390

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-282aa

UniProt No.

P10768

NCBI Accession No.

NP_001975

Alternative Names

Esterase D, ESD, Esterase D/formylglutathione hydrolase, S-formylglutathione hydrolase, FGH, Methylumbelliferyl-acetate deacetylase, Esterase 10

PRODUCT SPECIFICATION

Molecular Weight

33.6 kDa (302aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Esterase D, also known as formylglutathione hydrolase, belongs to the esterase D family. Esterase D is active toward numerous substrates including O-acetylated sialic acids, and it may be involved in the recycling of sialic acids. This protein is used as a genetic marker for retinoblastoma and Wilson's disease. Recombinant Esterase D protein was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MALKQISSNK CFGGLQKVFE HDSVELNCKM KFAVYLPPKA ETGKCPALYW LSGLTCTEQN
FISKSGYHQS ASEHGLVIA PDTSRPGCNI KGEDESWDFG TGAGFYVDAT EDPWKTNYRM YSYVTEELPQ LINANFPVDP
QRMSIFGHSM GGHGALICAL KNPGKYKSVS AFAPICNPVL CPWGKKA FSG YLGTDQSKWK AYDATHLVKS YPGSQLDILI
DQGKDDQFLL DGQLLPDNFI AACTEKKIPV VFRLQEDYDH SYYFIATFIT DHIRHHAKYL NA

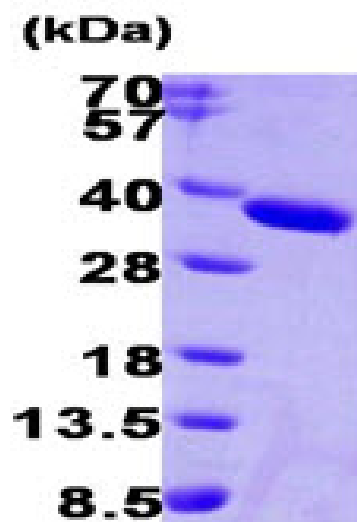
General References

Chuang LM., et al. (1991) Hum Genet. 87(4):465-8.

Wu D., et al. (2009) FASEB J. 23(5):1441-6.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)