Recombinant human USP14 protein

Catalog Number: ATGP1921

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-494aa

UniProt No.
P54578

NCBI Accession No.
NP_005142

Alternative Names
ubiquitin carboxyl-terminal hydrolase 14, TGT, ubiquitin thioesterase 14

PRODUCT SPECIFICATION

Molecular Weight
58.5 kDa (517aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT

Purity
> 90% 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
uSP14 is a member of the ubiquitin-specific processing (uBP) family of proteases that is a deubiquitinating enzyme (DuB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinylated proteins. Mice with a mutation that results in reduced expression of the ortholog of this protein are retarded for growth, develop severe tremors by 2 to 3 weeks of age followed by hindlimb paralysis and death by 6 to 10 weeks of age. Recombinant human uSP14 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

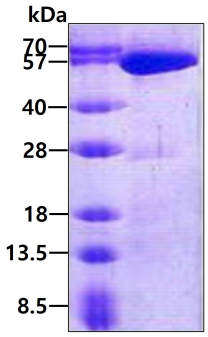
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General References

Shinji S, Naito Z, et al. (2009). Oncol Rep. 15(3):539-43.
Mines MA, Goodwin JS, et al. (2009). J Biol Chem. 284(9):5742-52.

DATA

SDS-PAGE



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