Recombinant human Caspase-2 protein

Catalog Number: ATGP2688

PRODUCT INFORMATION

Expression system
E.coli

Domain
348-452aa

UniProt No.
P42575

NCBI Accession No.
NP_116764.2

Alternative Names
Caspase 2 isoform 1, CASP-2, ICH1, NEDD-2, NEDD2, PPP1R57

PRODUCT SPECIFICATION

Molecular Weight
14.1 kDa (126aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 80% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

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
CASP2 is a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. The proteolytic cleavage of this protein is induced by a variety of apoptotic stimuli. Alternative splicing of this gene results in multiple transcript variants that encode different isoforms. Recombinant human CASP2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Recombinant human Caspase-2 protein

Catalog Number: ATGP2688

Amino acid Sequence

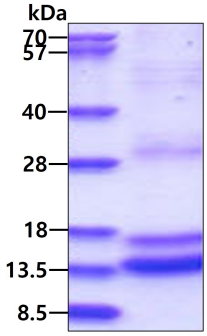
<MGSSHHHHHH SSGLVPRGSH M>AGKEKLPKM RLPTRSDMIC GYACLKGTAA MRNTKRGSWY IEALAQVFSE RACDMHVADM LVKVNALIKD REGYAPGTEF HRCKEMSEYC STLCRHLYLF PGHPPT

General References

Wang L., Miura M, et al. (1994) Cell 78:739-750
Droin N., Beauchemin M., et al. (2000) Cancer Res. 60:7039-7047

DATA

SDS-PAGE



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