# Human Caspase-14/CASP14 (His Tag) recombinant protein

Catalog Number: 500332



#### General Information

#### **Gene Name Synonym**

Caspase-14; cDNA, FLJ94644, Homo sapiens caspase 14, apoptosis-related cysteine protease(CASP14)

#### **Protein Construction**

A DNA sequence encoding the human CASP14 (NP\_036246.1) (Ser 2-Gln 242) was expressed, with a polyhistide tag at the N-terminus.

## **Organism**

Human

## **Expression Host**

E. coli

# **QC Testing**

#### **Activity**

Measured by its ability to bind biotinylated Cynomolgus IL18 (Cat:504593) in a functional ELISA.

#### **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

Please contact us for more information.

### **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

## **Predicted N terminal**

Met

#### Molecular Mass

The recombinant human CASP14 consisting of 248 amino acids and has a calculated molecular mass of 28.5 kDa. The apparent molecular mass of the protein is approximately 30 kDa in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

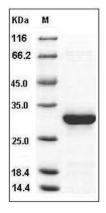
#### **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human Caspase-14 / CASP14 Protein (His Tag) SDS-PAGE