
Product Data Sheet

Product Name: CASP2 Human
 Cat. No.: GP21463
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Caspase-2; CASP-2; CASP2; Caspase 2 Apoptosis-Related Cysteine Peptidase; Neural precursor cell expressed developmentally down-regulated protein 2; NEDD-2; Protease ICH-1; ICH1; NEDD2; Caspase-2 subunit p18; Caspase-2 subunit p13; Caspase-2 subunit p12; Caspase 2 isoform 1; PPP1R57.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAGKEKLPKM RLPTRSDMIC GYACKLGTAA MRNTRKGSWY IEALAQVFSE RACDMHVADM LVKVNALIKD REGYAPGTEF HRCKEMSEYC STLCRHLYLF PGHPPT.		
Formulation	The CASP2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

Caspase 2 Apoptosis-Related Cysteine Peptidase (CASP2) is a part of the cysteine-aspartic acid protease (caspase) family. CASP2 takes part in the activation cascade of caspases responsible for apoptosis execution. CASP2 is also responsible for inactivating proteins essential for cell survival. The proteolytic cleavage of CASP2 is induced by a variety of apoptotic stimuli.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CASP2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 126 amino acids (348-452) and having a molecular mass of 14.1kDa. CASP2 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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