

RPPB1472

Product Information Protein Information

Product SKU:

RPPB1472

Accession:

P42574

Host:

Sf9, Baculovirus cells.

Protein description:

CASP3 Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 256 amino acids (29-277 a.a.) and having a molecular mass of 29.4kDa (Migrates at 13.5-18kDa on SDS-PAGE under reducing conditions). CASP3 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

CASP3, CPP32, CPP32B, SCA-1, CASP-3, Apopain, Cysteine protease CPP32, CPP-32, Protein Yama, SREBP cleavage activity 1.

Formulation:

CASP3 protein solution (0.5mg/ml) containing 20mM HEPES buffer (pH 7.5), 0.1M NaCl, 1mM EDTA, 20% Glycerol and 1mM DTT.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

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.

Amino Acid Sequence:

MSGISLDNSY KMDYPEMGLC IIINKNFHK STGMTSRSGT DVDAANLRET FRNLKYEVRNKNDLTREEIV
ELMRDVSKEH HSKRSSFVCV LLSHGEEGII FGTNGPVDLK KITNFFRGDRCSLTGKPKL FIIQACRGTE
LDCGIETDSG VDDDMACHKI PVEADFLYAY STAPGYYSWRNSKDGSWFIQ SLCAMLKQYA DKLEFMHILT
RVNRKVATEF ESFSDFATFH AKKQIPCIVS MLTKELYFYH HHHHHH

Biological Activity:

Specific activity is greater than 5,000 pmol/min/ug. One unit will liberate 1 pmoles of Ac-DEVD-AFC to Ac-DEVD and AFC per minute at pH7.5 at 25C.