



## PRODUCT DATA SHEET

**Product:** Caspase-4 (human, recombinant, active)

**Cat. No.:** BC-120 (25 U)  
BC-121 (100 U)

**Origin:**

Produced in *E. coli*.

**Format:**

Lyophilized

**Purity:**

≥95% by SDS-PAGE

**Reconstitution:**

Reconstitute with PBS containing 15% glycerol to 1 U/μL.

**EC:**

3.4.22.57

**Specific Activity:**

~5,000 U/mg protein. One unit is defined as the amount of enzyme that cleaves 1 nmol of the caspase substrate WEHD-pNA per hour at 37°C in a reaction solution containing 50 mM HEPES, pH 7.2, 50 mM NaCl, 0.1% CHAPS, 10 mM EDTA, 5% glycerol and 10 mM DTT.

**Application:**

Useful in screening caspase inhibitors, studying enzyme regulation and kinetics, determining target substrate or as a positive control in caspase activity assays. We recommend using 1 unit per assay for analyzing caspase activity.

**Storage:**

Store at -80°C. Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -80°C.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.