

Recombinant Human BPI Protein

Catalog #	Source	Reactivity	Applications
CRP1130	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human BPI Protein is produced by our mammalian expression system and the target gene encoding Val32-Lys487 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Gene Symbol BPI

Alternative Names Bactericidal permeability-increasing protein; BPI; CAP 57

Entrez Gene 671 (Human)

SwissProt P17213 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure VNPGVVVRIS QKGLDYASQQ GTAALQKELK RIKIPDYSDS FKIKHLGKGH YSFYSMDIRE FQLPSSQISM VPNVGLKFSI SNANIKISGK WKAQKRFLKM SGNFDLSIEG MSISADLKLK SNPTSGKPTI TCSSCSSHIN SVHVHISKSK VGWLIQLFHK KIESALRNKM NSQVCEKVTN SVSSKLQPYF QTLPVMTKID SVAGINYGLV APPATTAETL DVQMKGEFYS ENHHNPPPPFA PPVMEFPAAH DRMVYLGLSD YFFNTAGLVY QEAGVLKMTL RDDMIPKESK FRLTTKFFGT FLPEVAKKFP NMKIQIHVSA STPPHLSVQP TGLTFYPAVD VQAFVLPNS SLASLFLIGM HTTGSMEVSA ESNRLVGELK LDRLLLELKH SNIGPPFVEL LQDIMNYIVP ILVLPVNEK LQKGFPLPTP ARVQLYNVVL QPHQNFLFG ADVVYKVDHH HHHH

Quality Control Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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