

Product Data Sheet

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 µM 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 SVHVVHISKSK VGWLIQLFHK KIESALRNKM NSQVCEKVTN SVSSKLQPYF QTLPMVMTKID SVAGINYGLV APPATTAETL DVQMKGEFYS ENHHNPPPPFA PPVMEFPAAH DRMVYLGLSD YFFNTAGLVY QEAGVLKMTL RDDMIPKESK FRLTTKFFGT FLPEVAKKFP NMKIQIHVSA STPPHLSVQP TGLTFYPAVD VQAFVLPNS SLASLFLIGM HTTGSMEVSA ESNRLVGELK LDRLLLELKH SNIGPPFPVEL LQDIMNYIVP ILVLPRVNEK LQKGFPLPTP ARVQLYNVVL QPHQNFLFG ADVVYKVDHH HHHH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) 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 µg/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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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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