

Recombinant Human POSTN Protein

Catalog #	Source	Reactivity	Applications
CRP2130	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human POSTN Protein is produced by our mammalian expression system and the target gene encoding Asn22-Gln836 is expressed with a 6His tag at the C-terminus.
Form	Lyophilized from a 0.2 μM filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.
Gene Symbol	POSTN
Alternative Names	OSF2; Periostin; PN; Osteoblast-specific factor 2; OSF-2
Entrez Gene	10631 (Human)
SwissProt	Q15063 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	<p>NNHYDKILAH SRIRGRDQGP NVCALQQILG TTKKYFSTCK NWWYKKSICGQ KTTVLYECCP GYMRMEGMKG CPAVLPIHDV YGTLGIVGAT TTQRYSDASK LREEIEGKGS FTYFAPSNEA WDNLDSDIRR GLESNVNVEL LNALHSHMIN KRMLTKDLKN GMIIPSMYNN LGLFINHYPN GVVTVNCARI IHGNQIATNG VVHVIDRVLT QIGTSIQDFI EAEDDLSSFR AAAITSDILE ALGRDGHFTL FAPTNEAFEK LPRGVLERIM GDKVASEALM KYHILNTLQC SESIMGGAVF ETLEGNTIEI GCDGDSITVN GIKMVNKKDI VTNNGVIHLI DQVLIPDSAK QVIELAGKQQ TTFTDLVAQL GLASALRPDG EYLLAPVNN AFSDDTLSMD QRLKLILQN HILKVKVGLN ELYNGQILET IGGKQLRVFV YRTAVCIENS CMEKGSKQGR NGAIHIFREI IKPAEKSLE KLKQDKRFST FLSLLEAADL KELLTQPGDW TLFVPTNDAF KGMTSEEKEI LIRDKNALQN IILYHLTPGV FIGKGFEPGV TNILKTTQGS KIFLKEVNDT LLVNELKSKE SDIMTTNGVI HVVDKLLYPA DTPVGNLQQL EILNKLIKYI QIKFVRG STF KEIPVTVYTT KIITKVVEPK IKVIEGSLQP IIKTEGPTLT KVKIEGEPEF RLIKEGETIT EVIHGEPIIK KYTKIIDGVP VEITEKETRE</p>

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

ERIITGPEIK YTRISTGGGE TEETLKLLQ EEVTKVTKFI EGGDGHLFED EEIKRLLQGD
TPVRKLQANK KVQGSRRRLR EGRSQVDHHH HHH

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 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 $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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