

Periostin Protein, Human (758a.a, HEK293, His)

Cat. No.:	HY-P71196
Synonyms:	Osteoblast-specific factor 2; OSF-2; POSTN; Periostin
Species:	Human
Source:	HEK293
Accession:	Q15063-2 (N22-Q779)
Gene ID:	10631
Molecular Weight:	approximately 85-90 kDa

PROPERTIES

AA Sequence

NNHYDKILAH	SRIRGRDQGP	NVCALQQILG	TKKKYFSTCK
NWYKKSICGQ	KTTVLYECCP	GYMRMEGMKG	CPAVLPIDHV
YGTGLGIVGAT	TTQRYSDASK	LREEIEGKGS	FTYFAPSNEA
WDNLDSDIRR	GLESNVNVEL	LNALHSHMIN	KRMLTKDLKN
GMIIPSMYNN	LGLFINHYPN	GVVTVNCARI	IHGNIATNG
VVHVIDRVLT	QIGTSIQDFI	EAEDDLSSFR	AAAITSDILE
ALGRDGHFTL	FAPTNEAFEK	LPRGVLERIM	GDKVASEALM
KYHILNTLQC	SESIMGGAVF	ETLEGNTIEI	GCDGDSITVN
GIKMVNKKDI	VTNNGVIHLI	DQVLIPDSAK	QVIELAGKQQ
TTFTDLVAQL	GLASALRPDG	EYTL LAPVNN	AFSDDTLSMD
QRLLKLI LQN	HILKVKVGLN	ELYNGQILET	IGGKQLRVFV
YRTAVCIENS	CMEKGSKQGR	NGA IHIFREI	IKPAEKSLHE
KLKQDKRFST	FLS LLEAADL	KELLTQPGDW	TLFVPTNDAF
KGMTSEEKEI	LIRDKNALQN	IILYHLTPGV	FIGKGFEPGV
TNILKTTQGS	KIFLKEVNDT	LLVNELKSKE	SDIMTTNGVI
HVVDKLLYP A	DTPVGN DQLL	EILNKLIK YI	QIKFVRG STF
KEIPVTVYKP	IIKKYTKIID	GVPVEITEKE	TREERIITGP
EIKYTRISTG	GGETEETLKK	LLQEEVTKVT	KFIEGGDGH L
FEDEEIKRLL	QGDTPVRK LQ	ANKKVQGSRR	RLREGRSQ

Biological Activity

Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. The ED₅₀ for this effect is 2.456 µg/mL, corresponding to a specific activity is 407.17 units/mg.

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0 or 20 mM PB, 150 mM NaCl, pH 7.0.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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