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Product Datasheet

Recombinant Human FGFb(K128N) EBT-EPT007

Article Name	Recombinant Human FGFb(K128N)
Biozol Catalog Number	EBT-EPT007
Supplier Catalog Number	EPT007
Alternative Catalog Number	EBT-EPT007-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Thermostable Fibroblast Growth Factor 2 is produced by our E.coli expression system and the target gene encoding Met1-Ser155 is expressed....
Molecular Weight	Molecular weight: 17.2 KDa. Apparent molecular weight: 17 KDa, reducing conditions
UniProt	BAG70135.1
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Background: Fibroblast growth factors (FGF) are a family of heparin-binding secreted proteins that stimulate cell proliferation and differentiation in a wide variety of tissues. FGFs play important roles in diverse biological functions both in vivo and in vitro, including mitogenesis, cellular migration, differentiation, angiogenesis, and wound healing. Human embryonic stem cell (hESC) cultures require FGF basic (also known as FGF-2 or bFGF) in cell culture media to remain in an undifferentiated and pluripotent state. Thermostable FGF basic was engineered for enhanced stability in culture media, without modification of its biological function. FGF basic is a required component of stem cell culture media for maintaining cells in an undifferentiated state. Because FGF basic is unstable, daily media changes are needed. The thermostable FGF basic that supports a 2-day media change schedule, so no media changes are required over a weekend. This thermostable FGF basic was more stable than FGF basic in biochemical studies, and maintained cell growth, pluripotency and differentiation potential with a 2-day feeding schedule