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#54319**Human FGF-9 Recombinant Protein**

10 µg


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MW (kDa):	UniProt ID:	Entrez-Gene Id:
23.4	#P31371	2254
<b>Background</b>	Fibroblast growth factor (FGF)-9 is a member of the larger FGF family of proteins that play key roles in development, cancer, and metabolism. Binding of FGF-9 to its receptor requires interaction with heparin and induces receptor dimerization, subsequent transphosphorylation, and downstream activation of Erk, Akt, and PLCγ pathways (1). FGF-9 is important for organ development and bone repair (2-4).	
<b>Endotoxin</b>	Endotoxin levels are less than or equal to 1 EU / 1 µg hFGF-9.	
<b>Purity</b>	A greater than or equal to 95% purity was determined by SDS-PAGE.	
<b>Source / Purification</b>	Recombinant human FGF-9 was expressed in <i>E. coli</i> and is supplied in a lyophilized form.	
<b>Bioactivity</b>	The bioactivity of recombinant hFGF-9 was determined in an NR6R-3T3 cell proliferation assay. The ED <sub>50</sub> of each lot is less than or equal to 2 ng/ml.	
<b>Background References</b>	1. Itoh, N. and Ornitz, D.M. (2011) <i>J Biochem</i> 149, 121-30. 2. Yin, Y. et al. (2011) <i>Development</i> 138, 3169-77. 3. Barak, H. et al. (2012) <i>Dev Cell</i> 22, 1191-207. 4. Behr, B. et al. (2010) <i>Proc Natl Acad Sci U S A</i> 107, 11853-8.	

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