

Product datasheet for **TP723106**

Fgf1 (NM_012846) Rat Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Rat fibroblast growth factor 1 (Fgf1). |
| Species: | Rat |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MFNLPLGNYK KPALLYCSNG GHFLRILPDG TVDGTDRSD QHIQLQLSAE SAGEVYIKGT ETGQYLAMDT EGLLYGSQTP NEECLFLERL EENHYNTYTS KKHAENWFV GLKKNQGSCKR GPRTHYGQKA ILFLPLPVSS D |
| Tag: | Tag Free |
| Predicted MW: | 15.9 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2 |
| Bioactivity: | Determined by a cell proliferation assay using balb/c 3T3 cells. The expected ED50 is less than or equal to 0.1 ng/ml, in the presence of 10 ug/ml heparin, corresponding to a specific activity of > 1 x 10 ⁷ units/mg. |
| Endotoxin: | Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg) |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_036978 |
| Locus ID: | 25317 |
| UniProt ID: | P61149 |
| RefSeq Size: | 1216 |
| Cytogenetics: | 18p11 |
| RefSeq ORF: | 465 |
| Synonyms: | FGF-1; HBGF-1; HBGF1 |



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Summary:

may play a role in neurite outgrowth; may regulate cell differentiation in the nervous system; may act in synergy with fibronectin to enhance neuronal cell adhesion [RGD, Feb 2006]

Product images: