Product datasheet for TP723178

IGF2 (NM_000612) Human Recombinant Protein

Product data:
- **Product Type:** Recombinant Proteins
- **Description:** Purified recombinant protein of Human insulin-like growth factor 2 (somatomedin A) (IGF2), transcript variant 1.
- **Species:** Human
- **Expression Host:** E. coli
- **Tag:** Tag Free
- **Predicted MW:** 7.5 kDa
- **Concentration:** Resuspend the protein in the desired concentration in proper buffer
- **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:** ED50 was determined by a cell proliferation assay using FDC-P1 cells is less than or equal to 2.0 ng/ml, corresponding to a specific activity of > 5 x 10^5 units/mg.
- **Endotoxin:** Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
- **RefSeq:** NP_000603
- **Locus ID:** 3481
- **RefSeq Size:** 1640
- **Cytogenetics:** 11p15.5
- **RefSeq ORF:** 540
- **Synonyms:** C11orf43; GRDF; IGF-II; PP9974
- **Summary:** This gene encodes a member of the insulin family of polypeptide growth factors, which are involved in development and growth. It is an imprinted gene, expressed only from the paternal allele, and epigenetic changes at this locus are associated with Wilms tumour, Beckwith-Wiedemann syndrome, rhabdomyosarcoma, and Silver-Russell syndrome. A read-through INS-IGF2 gene exists, whose 5' region overlaps the INS gene and the 3' region overlaps this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]
- **Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

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