

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
Expression cDNA Clone or AA Sequence:	AYRPSETLCG GELVDTLQFV CGDRGFYFSR PASRVSRRSR GIVEECCFRS CDLALLETYC ATPAKSE
Tag:	Tag Free
Predicted MW:	7.5 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M 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 $> 5 \times 10^5$ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C .
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000603
Locus ID:	3481
UniProt ID:	P01344 , C9JAF2
RefSeq Size:	1640
Cytogenetics:	11p15.5
RefSeq ORF:	540
Synonyms:	C11orf43; GRDF; IGF-II; PP9974; SRS3



[View online »](#)

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

Product images: