

Recombinant Human IGF2BP3 protein, His/T7-tagged

Cat. No. IGF2BP3-16H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF2BP3(Asn2~Ile343) fused with His/T7 tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-343 a.a.
Description	The protein encoded by this gene is primarily found in the nucleolus, where it can bind to the 5' UTR of the insulin-like growth factor II leader 3 mRNA and may repress translation of insulin-like growth factor II during late development. The encoded protein contains several KH domains, which are important in RNA binding and are known to be involved in RNA synthesis and metabolism. A pseudogene exists on chromosome 7, and there are putative pseudogenes on other chromosomes.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	41.6 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF- NKLYIGNLS ENAAPSDLES IFKDAKIPVS GPFLVKTGYA FVDCPDESWA LKAIEALSGK IELHGKPIEV EHSVPKRQRI RKLQIRNIPP HLQWEVLDL LVQYGVVESC EQVNTDSETA VVNVTYSSKD QARQALDKLN GFQLENFTLK VAYIPDEMAA QQNPLQQPRG RRGLGQRGSS RQGSPGSVSK QKPCDLPLRL LVPTQFVGAI

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IGKEGATIRN ITKQTQSKID VHRKENAGAA EKSITILSTP EG TSAACKSI
 LEIMHKEAQD IKFTEEIPLK ILAHNNFVGR LIGKEGRNLK KIEQD TDTKI
 TISPLQELTL YNPERTITVK GNVETCAKAE EEI

Endotoxin <1.0EU per 1g (determined by the LAL method)

Purity > 95%

Applications SDS-PAGE; WB; ELISA; IP.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name IGF2BP3 insulin-like growth factor 2 mRNA binding protein 3 [Homo sapiens]

Official Symbol IGF2BP3

Synonyms IGF2BP3; insulin-like growth factor 2 mRNA binding protein 3; insulin-like growth factor 2 mRNA-binding protein 3; cancer/testis antigen 98; CT98; IGF II mRNA binding protein 3; IMP 3; hKOC; VICKZ family member 3; IGF2 mRNA-binding protein 3; IGF-II mRNA-binding protein 3; KH domain containing protein overexpressed in cancer; KH domain-containing protein overexpressed in cancer; IMP3; KOC1; IMP-3; VICKZ3; DKFZp686F1078;

Gene ID 10643

mRNA Refseq NM_006547

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Protein Refseq	NP_006538
MIM	608259
UniProt ID	O00425
Chromosome Location	7p15.3
Pathway	Binding of RNA by Insulin-like Growth Factor-2 mRNA Binding Proteins (IGF2BPs/IMPs/VICKZs), organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem;
Function	RNA binding; mRNA 3-UTR binding; mRNA 5-UTR binding; nucleotide binding; protein binding; translation regulator activity;

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