

Overview

Synonyms	Insulin-like growth factor-binding protein 2, IBP-2, BP-2
Description	IGF-BP-2 , also known as Insulin-like growth factor-binding protein 2, IBP-2 and BP-2, is a cysteine-rich secreted protein belonging to the IGF-binding protein superfamily. It is expressed by the central nervous system, bone cells and reproductive tissues. IGF-BP-2 binds to both IGF-I and IGF-II, with a much higher binding affinity to IGF-II than IGF-I. IGF-BP-2 has been shown to inhibit and stimulate the growth promoting effects of IGFs, thus serving as a regulator for IGF distribution, function and activity.
Accession No	P18065
Species	Human
Source	HEK 293
Biological Activity	ED ₅₀ < 2 µg/ml, measured in a bioassay using FDC-P1 cells in the presence of 15 ng/ml human IGF-II.
Sequence	<pre> FRCPPCTPER LAACGPPPVV PPAVAAVAVG GARMPCAELV REFGCGCCSV CARLEGEACG VYTPRCGQGL RCYPHPGSEL PLQALVMGEG TCEKRRDAEY GASPEQVADN GDDHSEGLV ENHVDSTMNM LGGGGSAGRK PLKSGMKELA VFREKVTQEH RQMKGKGGKHH LGLEEPKCLR PPPARTPCQQ ELDQVLERIS TMRLPDERGP LEHLYSLHIP NCDKHGLYNL KQCKMSLNGQ RGEWCVNPN TGKLIQGAPT IRGDPECHLF YNEQQEARGV HTQRMQHSHH HH </pre>

Properties

Measured Molecular Weight	6-20 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant human IGF-BP-2, His remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, human IGF-BP-2, His should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

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