

Product Datasheet

Recombinant IGF-BP-4, His, Human (orb1494644)

Description	Insulin-like growth factor-binding protein 4 (IGF-BP-4), also known as IBP-4, is a secreted glycoprotein belonging to the IGFBP family. IGF-BP-4 is produced by osteoblasts, epidermis, ovarian follicles and other tissues. It binds both insulin-like growth factor (IGF) I and II, and it circulates in the plasma in both glycosylated and non-glycosylated forms. IGF-BP-4 prolongs the half-life of the IGFs and has been shown to inhibit or stimulate the growth-promoting effects of the IGFs. Pregnancy Associated Plasma Protein A (PAPP-A) proteolytically cleaves IGF-BP-4 and reduces its affinity to bind IGFs, and thus serves as an important regulator of IGF-BP-4 function.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant human IGF-BP-4 remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, human IGF-BP-4, His should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH ₂ O or PBS at 100 μg/ml.
Protein Sequence	DEAIHCPPCSEEKLARCRPPVGCEELVREPGCGCCATCALGLGMPCGVYTPRCGSGRLRCYP PRGVEKPLHTLMHGQGVCM ELAEIEAIQESLQPSDKDEGDHPNNSFSPCSAHDRRCLQKHFAKIRDRSTSGGKMKVNGAP REDARPVPQGSCQSELHRA LERLAASQSRTHEDLYIIPNCDRNGNFHPKQCHPALDGQRGKCWCVDRKTGVKLPGGLE PKGELDCHQLADSFREHHHHHH
Purity	> 95% as analyzed by SDS-PAGE.
Source	HEK 293
MW	30-35 kDa, observed by reducing SDS-PAGE.

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Expiration Date

6 months from date of receipt.

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