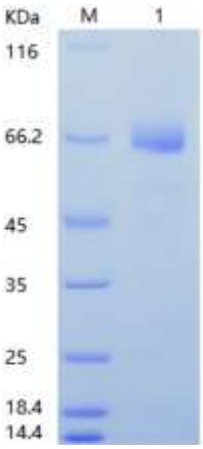
Recombinant Human Anterior gradient protein 2 homolog/AGR2(C-His)

Catalog No: BP068

Description	Recombinant Human Insulin-like Growth Factor Binding Protein 3 is produced by Human 293 Cells. The target gene encoding G28-K291 is expressed with a hFc tag at the C terminus.
Expression System	Human
Alternative name	Acid stable subunit of the 140 K IGF complex; binding protein 29; binding protein 53; growth hormone-dependent binding protein; IBP-3; IBP3BP-53; IGF-binding protein 3; IGFBP3; IGFBP-3; insulin-like growth factor binding protein 3; insulin-like growth factor-binding protein 3
Accession No.	P17936
Predicted Molecular Weight	58.3kDa
Apparent Molecular Weight	IGFBP3 protein appeared as a smear between 65-68kDa in a reducing SDS-PAGE gel due to glycosylation
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
Formulation	PBS, pH 7.4
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Insulin-like growth factor-binding protein 3 (IGFBP3) is a member of IGF binding protein superfamily. IGF binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth-promoting effects of the IGFs on cell culture. IGFBP3 is expressed by most tissues and the expression levels are higher during development. It is up-regulated in the presence of IGF1, insulin and other growth-stimulating factors such as growth hormone, EGF and phorbol esters. IGFBP3 is the most abundant IGF binding protein in human serum and has been shown to be a growth inhibitory, apoptosis-inducing molecule, capable of acting via IGF-dependent and IGF-independent mechanisms. Several clinical studies have shown that individuals with IGFBP3 levels in the upper range of normal may have a decreased risk for certain common cancers

SDS-PAGE



M: Marker

1: Sample in reducing conditions