

IGF1

Human LONG®R³ IGF-1 ELISA Complete Kit

Catalog No.	CKH194	Quantity:	1 x 96 tests
Alternate Names:	Insulin-like growth factor 1, IGF-I, IGF1A, IGF1		
Description:	<p>LONG®R³ IGF-1 is an analog of IGF-1 which has been engineered for improved bioavailability compared to IGF-1. It binds to and activates the Type I IGF-1 receptor, leading to improved cell growth and productivity. Quantitation of LONG®R³ IGF-1 is important when developing cell culture processes in order to optimize the concentration of LONG®R³ IGF-1 used and feeding strategies. Quantitation is also important when developing a purification process, in order to demonstrate clearance.</p> <p>This ELISA kit has been developed for the quantitation of LONG®R³ IGF-1 in media and drug substance samples. The plate is coated with a monoclonal antibody to LONG®R³ IGF-1 and then incubated with samples. A second biotinylated detection antibody is added, followed by Streptavidin-HRP. The plate is incubated with TMB Substrate for color development and stopped with sulfuric acid. The signal is proportional to the amount of LONG®R³ IGF-1 in samples and standards.</p>		
UniProt ID:	P05019		
Range:	0.3 - 40 ng/ml		
Sensitivity:	0.3 ng/ml		
Reproducibility:	Intra-Assay: CV≤12%		
S/N ratio	Cell culture supernatants and media		
Recovery:	70-130% for 20, 2.5, and 1.25 ng/ml sample concentrations.		
Correlation Coefficient:	≥0.985 for 4-parameter logistical standard curve fit.		
Reagents Included:	<ol style="list-style-type: none">1. Microplate 96-wells pre-coated with Capture Antibody2. LoBind Eppendorf tubes3. Diluent4. LONG®R³ IGF-1 Standard5. Biotinylated Detection Antibody6. Streptavidin-HRP7. TMB Substrate		
Storage & Stability:	Store components as described in the ELISA kit instructions. Stable until expiration date on the Certificate of Analysis.		
Note:	LONG® is a trademark of RepliGen Bioprocessing.		

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