

## Recombinant Human INSR protein, DDK/His-tagged

Cat. No. INSR-216H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human INSR(Ser763-Lys956), transcript variant 1, fused with DDK/His tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	763-956 a.a.
<b>Description</b>	This gene encodes a member of the receptor tyrosine kinase family of proteins. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form a heterotetrameric receptor. Binding of insulin or other ligands to this receptor activates the insulin signaling pathway, which regulates glucose uptake and release, as well as the synthesis and storage of carbohydrates, lipids and protein. Mutations in this gene underlie the inherited severe insulin resistance syndromes including type A insulin resistance syndrome, Donohue syndrome and Rabson-Mendenhall syndrome. Alternative splicing results in multiple transcript variants.
<b>Form</b>	1 x PBS, pH7.4, 10% glycerol
<b>Molecular Mass</b>	25 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method


 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**GENE INFORMATION**

<b>Gene Name</b>	INSR insulin receptor [ Homo sapiens ]
<b>Official Symbol</b>	INSR
<b>Synonyms</b>	INSR; insulin receptor; CD220; IR; HHF5;
<b>Gene ID</b>	3643
<b>mRNA Refseq</b>	NM_000208
<b>Protein Refseq</b>	NP_000199
<b>MIM</b>	147670
<b>UniProt ID</b>	P06213

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