

Insulin Receptor Human Recombinant

Item Number	rAP-2316
Synonyms	Insulin receptor, IR, EC 2.7.10.1, CD220, INSR, HHF5.
Description	Insulin Receptor Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (aa 28-944 of the short isoform- HIR-A, Uniprot accession # P06213-2 which includes the whole subunit alpha and extracellular domain of subunit beta) containing a total of 927 amino acids, having a molecular
Uniprot Accession Number	P06213
Amino Acid Sequence	ASHLYPGEVC PGMDIRNNLT RLHELENCVS IEGHLQILLM FKTRPEDFRD LSFPKLIMIT DYLLLFRVYG LESLKDLFPN LTVIRGSRLF FNYALVIFEM VHLKELGLYN LMNITRGSVR IEKNNELCYL ATIDWSRILD SVEDNYIVLN KDDNEECGDI CPGTAKGKTN CPATVINGQF VERCWTHSHC QKVCPTICKS HGCTAE- GLCC HSECLGNCSQ PDDPTKCVAC RNFYLDGRCV ETCPPPYHF QDWRCVNFSF CQDLHHKCKN SRRQGCHQYV IHNNKCIPEC PSGYTMNSSN LLCTPCLGPC PKVCHLEGE KTIDSVTSAQ ELRGCTVING SLIINIRGGN NLAAELEANL GLIEEISGYL KIRRSYALVS LSFFRKLRLI RGETLEIGNY
Source	HEK 293.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.
Formulation and Purity	INSR was filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add 200µl deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely. INSR is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**