

# Recombinant Human IGF1R Protein, His-tagged, Alexa Fluor 555 conjugated

**Cat. No.** IGF1R-3148HAF555    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 555 conjugated recombinant human IGF1R precursor extracellular domain (Met 1-Asn 932) (NP_000866.1), fused with a C-terminal polyhistidine tag, was produced in Human Cell.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-932 a.a.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	The calculated molecular masses for $\alpha$ subunit, $\beta$ subunit and the single chain of the receptor are approximately 81 kDa, 23 kDa and 104 kDa, respectively. As a result of glycosylation, the recombinant single chain, $\alpha$ subunit and $\beta$ subunit have apparent molecular masses of approximately 150 kDa, 120 kDa and 48 kDa, respectively in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard

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	TRITC/Cy3 filters.
<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile PBS Buffer, pH 7.4
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 555

## GENE INFORMATION

<b>Gene Name</b>	IGF1R insulin-like growth factor 1 receptor [ Homo sapiens ]
<b>Official Symbol</b>	IGF1R
<b>Gene ID</b>	3480
<b>mRNA Refseq</b>	NM_000875
<b>Protein Refseq</b>	NP_000866
<b>MIM</b>	147370
<b>UniProt ID</b>	P08069

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