

Recombinant Human IGF1R Protein, His/GST-tagged, Alexa Fluor 488 conjugated

Cat. No. IGF1R-50HAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview Alexa Fluor 488 conjugated recombinant human IGF1R (NP_000866.1) cytoplasmic domain (Met 954-Cys 1367), fused with the N-terminal polyhistidine-tagged GST tag, was produced in Baculovirus-Insect cells.

Species Human

Source Insect Cells

ProteinLength 651

Form Lyophilized

Molecular Mass The recombinant human IGF1R (aa 954-1367) /GST chimera consists of 651 amino acids and has a calculated molecular mass of 74.6 kDa. It migrates as an approximately 70 kDa band in SDS-PAGE under reducing conditions.

Endotoxin < 1.0 EU/ µg of the protein as determined by the LAL method.

Characteristic Disulfide-linked homodimer
Labeled with Alexa Fluor 488 via amines
Excitation Wavelength: 488 nm
Emission Wavelength: 515-545 nm

Stability Samples are stable for up to 12 months from date of receipt at -70 centigrade.

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Storage	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.
Storage Buffer	Lyophilized from 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, pH 7.4, 20% glycerol, 0.3 mM DTT
Reconstitution	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.
Conjugation	Alexa Fluor 488

GENE INFORMATION

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

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