

# Recombinant Full Length Human OGFR Protein, C-Flag-tagged

Cat. No. OGFR-1873HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human OGFR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	The protein encoded by this gene is a receptor for opioid growth factor (OGF), also known as [Met(5)]-enkephalin. OGF is a negative regulator of cell proliferation and tissue organization in a variety of processes. The encoded unbound receptor for OGF has been localized to the outer nuclear envelope, where it binds OGF and is translocated into the nucleus. The coding sequence of this gene contains a polymorphic region of 60 nt tandem imperfect repeat units. Several transcripts containing between zero and eight repeat units have been reported.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	73.1 kDa
<b>AA Sequence</b>	MDDPDCDSTWEEDEEDAEDAEDCEDGEEAAGARDADAGDEDEESEEPRAARPS SFQSRMTGSRNWRATR DMCYRHHNYPDLVERDCNGDTPNLSFYRNEIRFLPNGC FIEDILQNWTDNYDLLEDNHSYIQWLFPLREP GVNWHAKPLTLREVEVFKSSQEIQE RLVRAYELMLGFY GIRLED RGTGTVGRAQNYQKR FQNLNWRSHNN LRITRILKSLG ELGLEHFQAPLVRFFLEETLVRRELPGVRQSALDYFMFAVRCRHQRRQLVHFAWEH FRP RCKFVWGPQDKLRRFKPSSLPHPLEGSRKVEEEGSPGDPDHEASTQGRTCG

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PEHSKGGGRVDEGPQPRSV EPQDAGPLERSQGDEAGGHGEDRPEPLSPKESKKR  
 KLELSRREQPPTTEPGPQSASEVEKIALNLEGCALS QGSLRTGTQEVGGQDPGEAV  
 QPCRQPLGARVADKVRKRRKVDEGAGDSAAVASGGAQTLALAGSPAPSGH PKAG  
 HSENGVEEDTEGRTGPKEGTPGSPSETPGPSPAGPAGDEPAESPSETPGPRPAGP  
 AGDEPAESPSE TPGPRPAGPAGDEPAESPSETPGPSPAGPTRDEPAESPSETPGP  
 RPAGPAGDEPAESPSETPGPRPAGPA GDEPAESPSETPGPSPAGPTRDEPAKAGE  
 AAELQDAEVESSAKSGKP TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining.

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade.

**Concentration** >50 ug/mL as determined by microplate BCA method.

**Preparation** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Protein Families** Druggable Genome

**Full Length** Full L.

## GENE INFORMATION

**Gene Name** OGFR opioid growth factor receptor [ Homo sapiens (human) ]

**Official Symbol** OGFR

**Synonyms** 7-60 protein; opioid growth factor receptor; OTTHUMP00000031503; zeta-type opioid

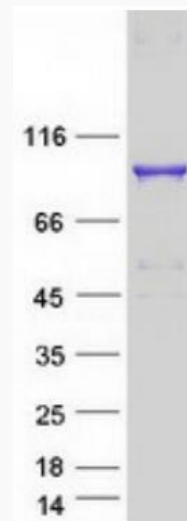
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receptor

<b>Gene ID</b>	11054
<b>mRNA Refseq</b>	NM_007346.4
<b>Protein Refseq</b>	NP_031372.2
<b>MIM</b>	606459
<b>UniProt ID</b>	Q9NZT2



Coomassie blue staining of purified OGFR protein.

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