

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human OGFR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	73.1 kDa
AA Sequence	MDDPDCDSTWEEDEEDAEDAEDDCEDGEAAGARDADAGDEDEESEEPRAARPS SFQSRMTGSRNWRATR DMCYRHRNYPDLVERDCNGDTPNLSFYRNEIRFLPNGC FIEDILQNWTDNYDLLEDNHSYIQWLFPLREP GVNWHAKPLTLREVEVFKSSQEIQE RLVRAYELMLGFY GIRLED RGTGTVGRAQNYQKRFQNLNWRSHNN LRITRILKSLG ELGLEHFQAPLVRFFLEETLVRRELPGVRQSALDYFMFAVRCRHQRRQLVHFAWEH FRP RCKFVWGPQDKLRRFKPSSLPHPLEGSRKVEEEGSPGDPDHEASTQGRTCG

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PEHSKGGGRVDEGPQPRSV EPQDAGPLERSQGDEAGGHGEDRPEPLSPKESKKR
 KLELSRREQPPTEPGPQSASEVEKIALNLEGCALS QGSLRTGTQEVGGQDPGEAV
 QPCRQPLGARVADKVRKRRKVDEGAGDSAASGGAQTLALAGSPAPSGH 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

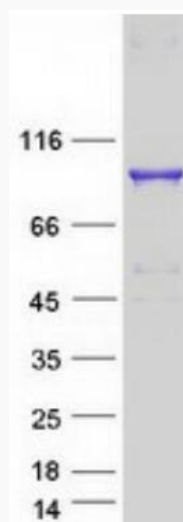
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receptor

Gene ID	11054
mRNA Refseq	NM_007346.4
Protein Refseq	NP_031372.2
MIM	606459
UniProt ID	Q9NZT2



Coomassie blue staining of purified OGFR protein.

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