

Recombinant Human OGFR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OGFR-1369H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OGFR MS Standard C13 and N15-labeled recombinant protein (NP_031372) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	73.3 kDa
AA Sequence	MDDPDCDSTWEEDEEDAEDAEDDCEDGEAAGARDADAGDEDEESEEPRAARPS SFQSRMTGSRNWRATRDMCRYRHNYPDLVERDCNGDTPNLSFYRNEIRFLPNGCF IEDILQNWTDNYDLLEDNHSYIQWLFPLREPGVNWHAKPLTLREVEVFKSSQEIQER LVRAYELMLGFYGIRLEDRTGTGTVGRAQNYQKRFQNLNWRSHNNLRITRILKSLGEL GLEHFQAPLVRFFLEETLVRRELPGVRQSALDYFMFAVRCRHQRRQLVHFAWEHF RPRCKFWWGPQDKLRRFKPSSLPHPLEGSRKVEEEGSPGDPDHEASTQGRTCGPE

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HSKGGGRVDEGPQPRSVEPQDAGPLERSQGDEAGGHGEDRPEPLSPKESKKRKL
 ELSRREQPPTEPGPQSASEVEKIALNLEGCALSQGSRLTGTQEVGGQDPGEAVQP
 CRQPLGARVADKVRKRRKVDEGAGDSAASGGAQTLALAGSPAPSGHPKAGHSE
 NGVEEDTEGRTGPKEGTPGSPSETPGPSPAGPAGDEPAESPSETPGPRPAGPAGD
 EPAESPSETPGPRPAGPAGDEPAESPSETPGPSPAGPTRDEPAESPSETPGPRPA
 GPAGDEPAESPSETPGPRPAGPAGDEPAESPSETPGPSPAGPTRDEPAKAGEAAE
 LQDAEVESAKSGKPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol OGFR

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

Gene ID 11054

mRNA Refseq NM_007346

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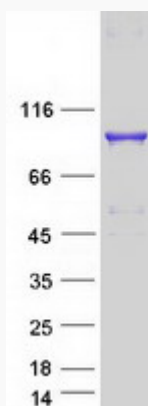
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Protein Refseq NP_031372

MIM 606459

UniProt ID Q9NZT2

SDS-PAGE



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