

Recombinant Human GPR150 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GPR150-2527H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GPR150 MS Standard C13 and N15-labeled recombinant protein (NP_954713) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an orphan member of the class A rhodopsin-like family of G-protein-coupled receptors (GPCRs). Within the rhodopsin-like family, this gene is a member of the vasopressin-like subfamily that also includes vasopressin and oxytocin receptors. The silencing of this gene, due to promoter methylation, is associated with ovarian cancer progression. All GPCRs have a transmembrane domain that includes seven transmembrane alpha-helices. A general feature of GPCR signaling is the agonist-induced conformational change in the receptor, leading to activation of the heterotrimeric G protein. The activated G protein then binds to and activates numerous downstream effector proteins, which generate second messengers that mediate a broad range of cellular and physiological processes.
Molecular Mass	46.2 kDa
AA Sequence	MEDLFSPSILPPAPNISVPILLGWGLNLTGQGAPASGPPSRRVRLVFLGVILVVAVA GNTTVLCRLCGGGGPWAGPKRRKMDFLLVQLALADLYACGGTALSQLAWELLGEP RAATGDLACRFLQLLQASGRGASAHLVVLIALERRRRAVRLPHGRPLPARALAAALGWL

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LALLLALPPAFVVRGDSPSPLPPPPPTSLQPGAPPAARAWPGERRCHGIFAPLPR
 WHLQVYAFYEAVAGFVAPVTVLGVACGHLLSVWWRHRPQAPAAAAPWSASPGRA
 PAPSALPRAKVQSLKMSLLLALLFVGCELPYFAARLAAAWSSGPAGDWEGEGLSAA
 LRVVAMANSALNPFVYLFFQAGDCRLRRQLRKRLGSLCCAPQGGAEDEEGPRGHQ
 ALYRQRWPHPHYHHARREPLDEGGLRPPPPRPRPLPCSCESAFSGPTRTRRLEQK
 LISEEDLAANDILDYKDDDDKV

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 GPR150 G protein-coupled receptor 150 [Homo sapiens (human)]

Official Symbol GPR150

Synonyms GPR150; G protein-coupled receptor 150; probable G-protein coupled receptor 150; PGR11; seven transmembrane helix receptor;

Gene ID 285601

mRNA Refseq NM_199243

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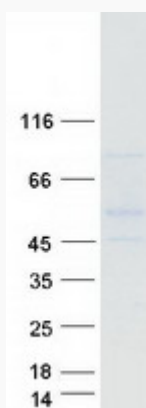
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Protein Refseq NP_954713

UniProt ID Q8NGU9

SDS-PAGE



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