

Recombinant Human OR2J2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OR2J2-3751H Lot. No. (See product label)

SPECIFICATION

Product Overview	OR2J2 MS Standard C13 and N15-labeled recombinant protein (NP_112167) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms.
Molecular Mass	35.1 kDa
AA Sequence	MMIKKNASSEDFILLGFSNWPQLEVVLFVVLIFYLMTLTGNLFIILSYVDSHLHTPMY FFLSNLSFLDLCYTTSSIPQLLVNLRGPEKTISYAGCMVQLYFVLALGITECVLLVMS YDRYVAVCRPLHYTVLMHPRFCHLLVAASWVIGFTISALHSSFTFWVPLCGHRLVDH FFCEVPALLRLSCVDTHANELTLMVMSSIFVLIPLILITTYGAIARAVLSMQSTTGLQK

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VFRTCGAHLMVVSLFFIPVMCMYLQPPSENSPDQGKFIALFYTVVTPSLNPLIYTLRN
KHKVGAARKLLGWEWGKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [OR2J2 olfactory receptor family 2 subfamily J member 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [OR2J2](#)

Synonyms OR2J2; olfactory receptor, family 2, subfamily J, member 2; olfactory receptor 2J2; dJ80119.4; hs6M1 6; OR6 8; olfactory receptor 6-8; olfactory receptor OR6-19; OR6-8; OR6-19; ORL684; OR6.3.8; hs6M1-6; MGC119134; MGC119135; MGC119136; MGC119137;

Gene ID [26707](#)

mRNA Refseq [NM_030905](#)

Protein Refseq [NP_112167](#)

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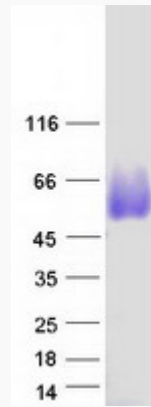
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UniProt ID

O76002

SDS-PAGE



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