

Product datasheet for PH304752

PSGR (OR51E2) (NM_030774) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	OR51E2 MS Standard C13 and N15-labeled recombinant protein (NP_110401)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204752
Predicted MW:	35.5 kDa
Protein Sequence:	>RC204752 protein sequence Red=Cloning site Green=Tags(s) MSSCNFTHATFVLIIGIPGLEKAHFVWGFPLL.SMYVVMFNGNCIVVFIVRTERS LHAPMYLFLCMLAAIDL ALSTSTMPKILALFWFDSREISFEACLQTMFFIHALSAIESTILLAMAFDRYVAICHPLRHA AVLNNTVT AQIGIVAVVRGSLFFFPLPLL IKRLAFCHSNVLSHSYCVHQDVMKLAYADTLPNVYVGLT AILLVMGVDV MFI SLSYFLIIRTVLQLPSKSERAKAFGTCVSHIGVVLAFYVPL IGLSVVHRFGNSLHP IVRVVMGDIYL LLPPVINPIIYGAKTKQIRTRV LAMFKISCDKDLQAVGGK TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_110401</u>
RefSeq Size:	2785
RefSeq ORF:	960
Synonyms:	HPRAJ; OR51E3P; OR52A2; PSGR
Locus ID:	81285



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UniProt ID: [Q9H255](#), [A0A126GVK0](#)

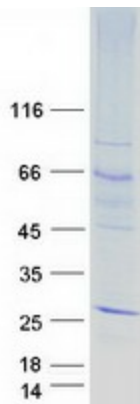
Cytogenetics: 11p15.4

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Olfactory transduction

Product images:



Coomassie blue staining of purified OR51E2 protein (Cat# [TP304752]). The protein was produced from HEK293T cells transfected with OR51E2 cDNA clone (Cat# [RC204752]) using MegaTran 2.0 (Cat# [TT210002]).