

Recombinant Human SIGMAR1 protein, MYC/DDK-tagged

Cat. No. SIGMAR1-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIGMAR1, transcript variant 1, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a receptor protein that interacts with a variety of psychotomimetic drugs, including cocaine and amphetamines. The receptor is believed to play an important role in the cellular functions of various tissues associated with the endocrine, immune, and nervous systems. As indicated by its previous name, opioid receptor sigma 1 (OPRS1), the product of this gene was erroneously thought to function as an opioid receptor; it is now thought to be a non-opioid receptor. Mutations in this gene has been associated with juvenile amyotrophic lateral sclerosis 16. Alternative splicing of this gene results in transcript variants encoding distinct isoforms.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	24.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	SIGMAR1 sigma non-opioid intracellular receptor 1 [Homo sapiens]
Official Symbol	SIGMAR1
Synonyms	SIGMAR1; sigma non-opioid intracellular receptor 1; opioid receptor, sigma 1 , OPRS1; SR BP1; SR-BP; SIG-1R; sigma1R; hSigmaR1; SR31747 binding protein 1; sigma 1-type opioid receptor; aging-associated gene 8 protein; SRBP; ALS16; OPRS1; SR-BP1; MGC3851; FLJ25585;
Gene ID	10280
mRNA Refseq	NM_005866
Protein Refseq	NP_005857
MIM	601978
UniProt ID	Q99720
Chromosome Location	9p13.3
Function	C-8 sterol isomerase activity; drug binding; opioid receptor activity; receptor activity;

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