

## Recombinant Human SIGMAR1 protein, MYC/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SIGMAR1, transcript variant 1, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	24.9 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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## GENE INFORMATION

<b>Gene Name</b>	SIGMAR1 sigma non-opioid intracellular receptor 1 [ Homo sapiens ]
<b>Official Symbol</b>	SIGMAR1
<b>Synonyms</b>	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;
<b>Gene ID</b>	10280
<b>mRNA Refseq</b>	NM_005866
<b>Protein Refseq</b>	NP_005857
<b>MIM</b>	601978
<b>UniProt ID</b>	Q99720
<b>Chromosome Location</b>	9p13.3
<b>Function</b>	C-8 sterol isomerase activity; drug binding; opioid receptor activity; receptor activity;

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