

# Recombinant Full Length Human SIGMAR1 Protein, GST-tagged

**Cat. No.** SIGMAR1-629HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human SIGMAR1(1 a.a. - 223 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	223 amino acids
<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>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	51.5 kDa
<b>AA Sequence</b>	MQWAVGRRWA WAALLLAVAA VLTQVVWLWL GTQSFVFQRE EIAQLARQYA

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GLDHELAFSR LIVELRRLHP GHVLPDEELQ WVFVNAGGWM GAMCLLHASL  
 SEYVLLFGTA LGSRGHSGRY WAEISDTIIS GTFHQWREGT TKSEVFYPGE  
 TVVHGPGREAT AVEWGPNTWM VEYGRGVIPS TLAFAADTV FSTQDFLTLF  
 YTLRSYARGL RLELTTYLFG QDP

**Applications** Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## 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](#)

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