

Recombinant Full Length Human SIGMAR1 Protein, GST-tagged

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

SPECIFICATION

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

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GLDHELAFSR LIVELRRLHP GHVLPDEELQ WVFVNAGGWM GAMCLLHASL
SEYVLLFGTA LGSRGHSGRY WAEISDTIIS GTFHQWREGT TKSEVFYPGE
TVVHGPGEAT AVEWGPNTWM VEYGRGVIPS TLAFALADTV FSTQDFLTFL
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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