

Recombinant Human SIGMAR1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SIGMAR1-5128H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SIGMAR1 MS Standard C13 and N15-labeled recombinant protein (NP_005857) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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.
Molecular Mass	25.1 kDa
AA Sequence	MQWAVGRRWAWAALLLAVAAVLTQVWVLWLGTQSFVFQREEIAQLARQYAGLDH ELAFSRLIVELRRLHPGHVLPDEELQWVFNAGGWMGAMCLLHASLSEYVLLFGTA LGSRGHSGRYWAEISDTIISGTFHQWREGTTKSEVFYPGETVVHGPGEATAVEWGP NTWMVEYGRGVIPSTLAFALADTVFSTQDFLTLFYTLRSYARGLRLELTYYLFGQDP

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SIGMAR1 sigma non-opioid intracellular receptor 1 [Homo sapiens (human)]
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

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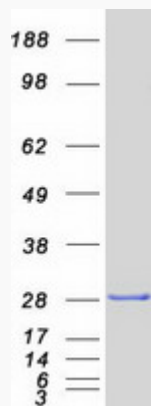
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UniProt ID

Q99720

SDS-PAGE

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