

## Product datasheet for **TP502589**

### Sigmar1 (NM\_011014) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sigma non-opioid intracellular receptor 1 (Sigmar1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202589 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MPWAAGRWWAWITLILTIIAVLIQAAWLWLGTONFVFSREEIAQLARQYAGLDHELAFSRLIVELRRLHP GHVLPDEELQWVFNAGGWMGAMCILHASLSEYVLLFGTALGSHGHSGRYWAEISDTIISGTFHQWKEGT TKSEVFYPGETVHGPGEATALEWGPNTWMVEYGRGVIPSTLFFALADTFSTQDYLTLFYTLRAYARGL RLELTTYLFGQDS  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	25.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_035144</a>
Locus ID:	18391
UniProt ID:	<a href="#">O55242</a>
RefSeq Size:	1640



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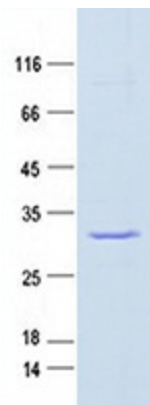
Cytogenetics: 4 A5

RefSeq ORF: 672

Synonyms: mSig; O; Oprs1; Si; Sig1R; sigma1R

**Summary:** This gene encodes a transmembrane protein located in the endoplasmic reticulum. The encoded protein is a receptor that binds several endogenous ligands, including N,N-dimethyltryptamine, progesterone and pregnenolone and a variety of non-opiate compounds. The encoded protein plays a role in regulating the activity of ion channels, acting as a chaperone and protecting cells from oxidative stress. In humans, this receptor has been associated with Alzheimer's and Parkinson's diseases, stroke and numerous disease conditions such as depression, pain and addiction. Alternative splicing results in multiple transcript variants encoding different isoforms.[provided by RefSeq, Nov 2013]

### Product images:



Purified recombinant protein Sigmar1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.