

## Product datasheet for **MC209488**

### Syng1 (NM\_009303) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syng1 (NM_009303) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syng1
Synonyms:	p29; R75468; Syng1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	SgfI-MluI
ACCN:	NM_009303
Insert Size:	576 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<a href="#">NM_009303.2</a> , <a href="#">NP_033329.1</a>


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RefSeq Size: 818 bp

RefSeq ORF: 576 bp

Locus ID: 20972

UniProt ID: [O55100](#)

Cytogenetics: 15 E1

**Gene Summary:** May play a role in regulated exocytosis. Modulates the localization of synaptophysin/SYP into synaptic-like microvesicles and may therefore play a role in synaptic-like microvesicle formation and/or maturation (By similarity). Involved in the regulation of short-term and long-term synaptic plasticity (PubMed:10595519).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1b) includes a different segment for its 3' coding region and 3' UTR, as compared to variant 1a. The encoded isoform (1b) has a distinct and shorter C-terminus, compared to isoform 1a.