

## Recombinant Human SYT12 Protein, MYC/DDK-tagged

**Cat. No.** SYT12-3065H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SYT12 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. Studies of the orthologous gene in rat have shown that the encoded protein selectively modulates spontaneous synaptic-vesicle exocytosis and may also be involved in regulating calcium independent secretion in nonneuronal cells. Alternative splicing results in multiple transcript variants. The gene has previously been referred to as synaptotagmin XI but has been renamed synaptotagmin XII to be standard with mouse and rat official nomenclature.
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	46.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

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<b>Gene Name</b>	SYT12 synaptotagmin 12 [ Homo sapiens ]
<b>Official Symbol</b>	SYT12
<b>Synonyms</b>	SYT11; sytXII
<b>Gene ID</b>	91683
<b>mRNA Refseq</b>	NM_001177880.1
<b>Protein Refseq</b>	NP_001171351.1
<b>MIM</b>	606436
<b>UniProt ID</b>	Q8IV01

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