

Product datasheet for **TP762648**

Synaptotagmin VII (SYT7) (NM_004200) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human synaptotagmin VII (SYT7)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of SYT7
Tag:	N-GST and C-HIS
Predicted MW:	73.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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:	NP_004191
Locus ID:	9066
UniProt ID:	O43581
RefSeq Size:	4609
Cytogenetics:	11q12.2
RefSeq ORF:	1209
Synonyms:	IPCA-7; IPKA7; PCANAP7; SYT-VII; SYTVII



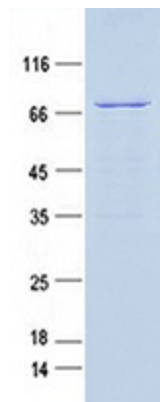
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Summary:

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. A similar protein in rodents mediates hormone secretion and lysosome exocytosis. In humans, expression of this gene has been associated with prostate cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]

Protein Families:

Secreted Protein, Transmembrane

Product images:

Purified recombinant protein SYT7 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.