

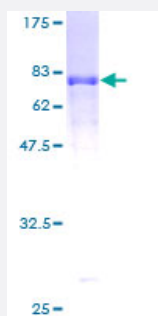
Full-Length

SYT12 (Human) Recombinant Protein (P01)

Catalog # H00091683-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SYT12 full-length ORF (AAH37406, 1 a.a. - 421 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAVDVAEYHLSVIKSPPGWEVGVYAAGALALLGIAAVSLWKLWTSGSFPSPSPFPNYDYRLQQ
KYGESCAEAREKRVPAWNAQRASTRGPPSRKGSLSIEDTFESISLGPLELMGRELDLAPYGTLR
KSQSADSLNSISSVSNTFGQDFTLGQVEVSMEYDTASHTLNAVMMQGDLLEREEASFESCFMR
VSLLPDEQVIGISRIQRNAYSIFDEKFSIPLDPTALEEKSLRFSVFGIDEDERNVSTGVVELKLSVL
DLPLQPFSGWLYLQDQNKAAADAVGEILLSLSYLPTAERLTVVVVKAKNLIWTNDKTTADPFVKVYL
LQDGRKMSKKKTAVKRDDPNPVFNEAMIFSVPANLQDLSLRVTVAESSSDGRGDNVGHVIGPS
ASGMGTTHWNQMLATLRRPVSMWHAVRRN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.05

Interspecies Antigen Sequence

Mouse (95); Rat (96)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SYT12

Entrez GeneID	91683
GeneBank Accession#	BC037406
Protein Accession#	AAH37406
Gene Name	SYT12
Gene Alias	SRG1, SYT11
Gene Description	synaptotagmin XII
Omim ID	606436
Gene Ontology	Hyperlink
Gene Summary	The SRG1 gene encodes a protein that is a member of a family of proteins involved in the regulation of transmitter release in the nervous system (Fernandez-Chacon et al., 2001 [PubMed 11242035]). The membrane-associated synaptic SRG1 protein is under thyroid hormone control during brain development (Thompson, 1996 [PubMed 8987811]).[supplied by OMIM]
Other Designations	-