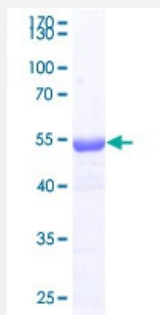


SNAP25 (Human) Recombinant Protein (Q02)

Catalog # H00006616-Q02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SNAP25 partial ORF (NP_003072.2, 1 a.a. - 197 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	MAEDADMRNELEEMQRRADQLADESLESTRMLQLVEESKDAGIRTLVMLDEQGEQLDRVEEG MNHINQDMKEAEKNLKD LGKCCGLFICPCNKLKSSDAYKKAWGNNQDGVVASQPARVVDEREQ MAISGGFIRRVNTDARENEMDENLEQVSGIIGNLRHMA LDMGNEIDTQNRQIDRIMEKADSNKTRID EANQ
Theoretical MW (kDa)	47.3
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 — SNAP25

Entrez GeneID [6616](#)

GeneBank Accession# [NM_003081.2](#)

Protein Accession# [NP_003072.2](#)

Gene Name SNAP25

Gene Alias FLJ23079, RIC-4, RIC4, SEC9, SNAP, SNAP-25, bA416N4.2, dJ1068F16.2

Gene Description synaptosomal-associated protein, 25kDa

Omim ID [600322](#)

Gene Ontology [Hyperlink](#)

Gene Summary Synaptic vesicle membrane docking and fusion is mediated by SNAREs (soluble N-ethylmaleimide-sensitive factor attachment protein receptors) located on the vesicle membrane (v-SNAREs) and the target membrane (t-SNAREs). The assembled v-SNARE/t-SNARE complex consists of a bundle of four helices, one of which is supplied by v-SNARE and the other three by t-SNARE. For t-SNAREs on the plasma membrane, the protein syntaxin supplies one helix and the protein encoded by this gene contributes the other two. Therefore, this gene product is a presynaptic plasma membrane protein involved in the regulation of neurotransmitter release. Two alternative transcript variants encoding different protein isoforms have been described for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000030267|OTTHUMP00000030268|resistance to inhibitors of cholinesterase 4 homolog|synaptosomal-associated protein 25

Pathway

- [SNARE interactions in vesicular transport](#)

Disease

- [Alzheimer disease](#)
- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Memory](#)
- [Mental Disorders](#)
- [Mental Retardation](#)
- [Metabolic Syndrome X](#)
- [Narcolepsy](#)
- [NARP](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Obsessive-Compulsive Disorder](#)
- [Osteoporosis](#)
- [Personality Assessment](#)
- [Psychiatric Status Rating Scales](#)

- [Psychotic Disorders](#)
- [Reaction Time](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Verbal Learning](#)
- [Weight Gain](#)