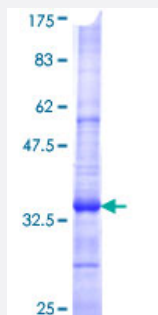


SLC6A3 (Human) Recombinant Protein (Q01)

Catalog # H00006531-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SLC6A3 partial ORF (NP_001035, 161 a.a. - 237 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AWALHYLFSSFTTELPWIHCNNSWNSPNCSDAHPGDSSGDSSGLNDTFGTTPAAEYFERGVLHL HQSHGIDDLGPPR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.21
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 — SLC6A3

Entrez GeneID	6531
GeneBank Accession#	NM_001044
Protein Accession#	NP_001035
Gene Name	SLC6A3
Gene Alias	DAT, DAT1
Gene Description	solute carrier family 6 (neurotransmitter transporter, dopamine), member 3
Omim ID	126455 143465 188890
Gene Ontology	Hyperlink
Gene Summary	The dopamine transporter (DAT1) mediates the active reuptake of dopamine from the synapse and is a principal regulator of dopaminergic neurotransmission. The DAT1 gene has been implicated in human disorders such as parkinsonism, Tourette syndrome, and substance abuse (Vanderbergh et al., 1992 [PubMed 1359373]).[supplied by OMIM]
Other Designations	dopamine transporter variable number tandem repeat (VNTR)

Disease

- [Acute Disease](#)
- [Alcohol Withdrawal Delirium](#)
- [Alcohol Withdrawal Seizures](#)
- [Alcoholism](#)

- [Alcohol-Related Disorders](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Anxiety Disorders](#)
- [Appetite](#)
- [Arousal](#)
- [Association Learning](#)
- [Atrophy](#)
- [Attention](#)
- [Attention Deficit and Disruptive Behavior Disorders](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Auditory Perception](#)
- [Autistic Disorder](#)
- [Avoidance Learning](#)
- [Basal Ganglia Diseases](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Borderline Personality Disorder](#)
- [Brain Injuries](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Bulimia Nervosa](#)
- [Carcinoma](#)

- [Child Behavior Disorders](#)
- [Choice Behavior](#)
- [Chronic Disease](#)
- [Cocaine-Related Disorders](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Conduct Disorder](#)
- [Cues](#)
- [Delirium](#)
- [Depressive Disorder](#)
- [Developmental Disabilities](#)
- [Discrimination \(Psychology\)](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Dominance](#)
- [Dyskinesia](#)
- [Eating Disorders](#)
- [Epilepsy](#)
- [Fibromyalgia](#)
- [Forensic Psychiatry](#)
- [Functional Laterality](#)
- [Genetic Predisposition to Disease](#)
- [Genetics](#)
- [Hallucinations](#)

- [Headache](#)
- [Heroin Dependence](#)
- [Hyperalgesia](#)
- [Hypercholesterolemia](#)
- [Impulse Control Disorders](#)
- [Inhibition \(Psychology\)](#)
- [Intelligence Tests](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Memory](#)
- [Mental Disorders](#)
- [Mental Status Schedule](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Mood Disorders](#)
- [NARP](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Obsessive-Compulsive Disorder](#)
- [Ocular Motility Disorders](#)
- [Opioid-Related Disorders](#)
- [Orientation](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Overweight](#)
- [Pain Threshold](#)

- [Parkinson disease](#)
- [Perceptual Disorders](#)
- [Personal Autonomy](#)
- [Personality Assessment](#)
- [Personality Disorders](#)
- [Personality Inventory](#)
- [Personality Tests](#)
- [Polycystic Ovary Syndrome](#)
- [Pregnancy Complications](#)
- [Prenatal Exposure Delayed Effects](#)
- [Psychiatric Status Rating Scales](#)
- [Psychological Tests](#)
- [Psychology](#)
- [Psychometrics](#)
- [Psychomotor Performance](#)
- [Psychopathology](#)
- [Psychoses](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Reaction Time](#)
- [Recognition \(Psychology\)](#)
- [Reinforcement \(Psychology\)](#)
- [Reward](#)
- [Satiety Response](#)
- [Schizophrenia](#)

- [Schizophrenic Psychology](#)
- [Schizotypal Personality Disorder](#)
- [Seizures](#)
- [Sensation](#)
- [Set \(Psychology\)](#)
- [Sexual Dysfunction](#)
- [Sleep](#)
- [Space Perception](#)
- [Startle Reaction](#)
- [Stress Disorders](#)
- [Stuttering](#)
- [Substance Withdrawal Syndrome](#)
- [Substance-Related Disorders](#)
- [Sudden Infant Death](#)
- [Thrombophilia](#)
- [Tic Disorders](#)
- [Tics](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)
- [Urinary Bladder Neoplasms](#)
- [Visual Perception](#)
- [Wechsler Scales](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)
- [Wounds and Injuries](#)