

Product datasheet

Recombinant Human Serotonin transporter protein
ab132415

1 Image

Description

Product name	Recombinant Human Serotonin transporter protein
Expression system	Wheat germ
Accession	P31645
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>METTPLNSQK QLSACEDGED CQENGLQKV VPTPGDKVES GQISNGYS AV PSPGAGDDTR HSIPATTTTL VAEHQGERE TWGKKVDFLL SVIGYAVDLG NVWRFPICY QNGGGAFLLP YTIMAIFGGI PLFYMELALG QYHRNGCISI WRKICPIFKG IGYAICIAF YIASYNTIM AWALYYLISS FTDQLPWTSC KNSWNTGNCT NYFSEDNITW TLHSTSPAEE FYTRHVLQIH RSKGLQDLGG ISWQLALCIM LIFTVIYFSI WKGVKTSQKV VVVTATFPYI ILSVLLVRGA TLPGAWRGVL FYLKPNWQKL LETGVWIDAA AQIFFSLGPG FGVLLAFASY NKFNNNCYQD ALVTSVVNCM TSFVSGFVIF TVLGYMAEMR NEDVSEVAKD AGPSLLFITY AEAIANMPAS TFFAIIFFLM LITLGLDSTF AGLEGVITAV LDEFPHWAK RRERFVLAVV ITCFFGSLVT LTFGGAYVVK LLEEYATGPA VLTVALIEAV AVSWFYGITQ FCRDVKEMLG FSPGWFWRIC WVAISPLFLL FIICSFLMSP PQLRLFQYNY PYWSIILGYC IGTSSFICIP TYIAYRLIIT PGTFKERI IK SITPETPTEI PCGDIRLNAV</p>
Predicted molecular weight	97 kDa including tags
Amino acids	1 to 630
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab132415** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
	Western blot
	ELISA
Form	Liquid

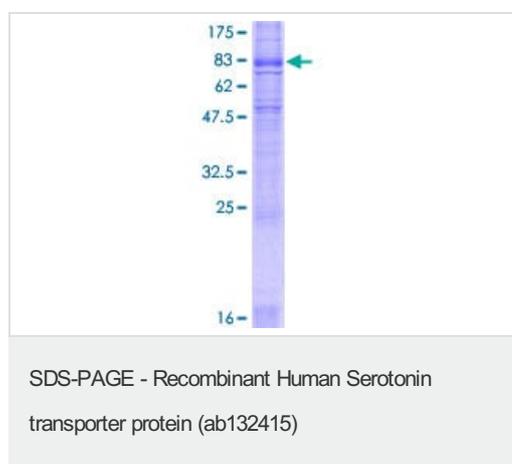
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Serotonin transporter whose primary function in the central nervous system involves the regulation of serotonergic signaling via transport of serotonin molecules from the synaptic cleft back into the pre-synaptic terminal for re-utilization. Plays a key role in mediating regulation of the availability of serotonin to other receptors of serotonergic systems. Terminates the action of serotonin and recycles it in a sodium-dependent manner.
Tissue specificity	Expressed in platelets (at protein level).
Sequence similarities	Belongs to the sodium:neurotransmitter symporter (SNF) (TC 2.A.22) family. SLC6A4 subfamily.
Post-translational modifications	Glycosylated; modification with sialylated N-glycans is a requirement for transporters to associate with each other and to function as homooligomeric forms. Phosphorylated at Ser-611, Thr-613 and Thr-616.
Cellular localization	Cell membrane. Endomembrane system. Endosome membrane. Translocates from intracellular locations to the plasma membrane. Density of transporter molecules on the plasma membrane is itself regulated by serotonin.

Images



12.5% SDS-PAGE analysis of ab132415, stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours

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