

SLC17A6 Protein, Rat, Recombinant (His)

General Information

Synonyms:	Differentiation-associated BNPI;Slc17a6;Differentiation-associated Na(+)-dependent inorganic phosphate cotransporter;Dnpi;VGluT2;Solute carrier family 17 member 6;Vesicular glutamate transporter 2;Vglut2
Protein Construction:	499-582 aa
Species:	Rat
Expression Host:	P. pastoris (Yeast)
Accession:	Q9JI12
Molecular Weight:	11.1 kDa (predicted)
AA Sequence:	SGEKQPWADPEETSEEKCGFIHEDELDEETGDITQNYINYGTTKSYGATSQENGWPNNGWEKKEEFVQESAQ DAYSISKDRDDYS

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.
Shipping:	In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.

Protein Background

Mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. May also mediate the transport of inorganic phosphate. Involved in the regulation of retinal hyaloid vessel

regression during postnatal development. May also play a role in the endocrine glutamatergic system of other tissues such as pineal gland and pancreas.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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