Recombinant Excitatory Amino Acid Transporter 3 (EAAT3)(N-6His)

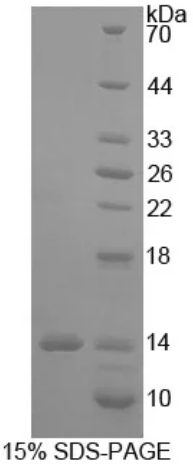
Catalog#:PEH22016

概述（Summary）

别称（Alternative Names）	SLC1A1; EAAC1; Solute Carrier 1 Member 1; Sodium-dependent glutamate/aspartate transporter 3; Excitatory amino-acid carrier 1; Neuronal and epithelial glutamate transporter
纯度（Purity）	Greater than 97% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	<1 EU/μg as determined by LAL test.
蛋白构建（Construction）	6His-【Ser115-Gly209】
Accession #	P43005
表达宿主（Host）	E.coli
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	14.3 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate. Can also transport L-cysteine. Functions as a symporter that transports one amino acid molecule together with two or three Na(+) ions and one proton, in parallel with the counter-transport of one K(+) ion. Mediates Cl(-) flux that is not coupled to amino acid transport; this avoids the accumulation of negative charges due to aspartate and Na(+) symport. Plays an important role in L-glutamate and L-

aspartate reabsorption in renal tubuli. Plays a redundant role in the rapid removal of released glutamate from the synaptic cleft, which is essential for terminating the postsynaptic action of glutamate. Contributes to glutathione biosynthesis and protection against oxidative stress via its role in L-glutamate and L-cysteine transport. Negatively regulated by ARL6IP5.

电泳图（SDS-PAGE image）



15% SDS-PAGE

Greater than 97% as determined by reducing SDS-PAGE.

注意事项（Note）

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