Data Sheet (Cat.No.TMPY-03856)

TargetMol

SEZ6L2 Protein, Human, Recombinant (His)

General Information

Synonyms:	PSK-1;seizure related 6 homolog (mouse)-like 2
Protein Construction:	A DNA sequence encoding the human SEZ6L2 (AAH00567.1) (Met1-Ser736) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Leu 28
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAH00567.1
Molecular Weight:	77.3 kDa (predicted); 104-117 kDa (reducing conditions)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

SEZ6L2, also known as PSK-1, belongs to the SEZ6 family. It contains 3 CUB domains and 5 Sushi (CCP/SCR) domains. SEZ6L2 may contribute to specialized endoplasmic reticulum functions in neurons.SEZ6L2 presents on the surface of lung cancer cells. SEZ6L2 should be a useful prognostic marker of lung cancers. Increased expression of this gene has been found in lung cancers, and the protein is therefore considered to be a novel prognostic marker for lung cancer.

Reference

Bedoyan JK. et al., 2010, Am J Med Genet A. 152A (6): 1567-74.
Konyukh M. et al., 2011, PLoS One. 6 (3): e17289.
Wang J. et al., 2011, Mol Syst Biol. 7: 536.

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