

Rev02
 Update: Aug,08,2025

DATASHEET

SEZ6, His, Cynomolgus

Cat. No.: Z04912

Product Introduction

Species	Cynomolgus
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; margin-right: 5px;">SEZ6 (Leu20-His927) Accession # A0A2K5WPJ4</div> <div style="background-color: #76b82a; color: white; padding: 5px; margin-left: 5px;">His</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized SEZ6, His, Cynomolgus at 2µg/ml (100µl/Well) on the plate can bind AntiSEZ6 Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	99.11 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 150-180 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Seizure-related protein 6 (Sez6) contributes to chronic pain development as sez6 knockout mice show attenuated pain behaviours after peripheral nerve injury, compared with control mice. The type I transmembrane isoform of Sez6 is cleaved by the β -amyloid precursor protein cleavage enzyme 1 (BACE1), resulting in Sez6 extracellular domain shedding from the neuron surface.

Synonyms : SEZ-6; SEZ6; BSRPC; BSRP-C;

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