

Rev04
 Update: Jan,19,2024

DATASHEET

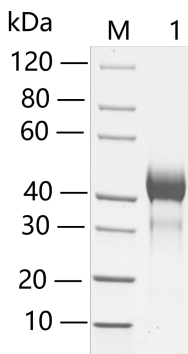
Cathepsin B, His, Human

Cat. No.: Z03322

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> Cathepsin B (Arg18-Ile339) Accession # P07858 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center; margin-left: 10px;"> Poly-His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method
Expression System	CHO
Apparent Molecular Weight	~43 kDa, on SDS-PAGE under reducing conditions.
Formulation	Supplied as a 0.2 μm filtered solution in 25 mM Tris, 150 mM NaCl, 20% Glycerol, pH 8.0.
Concentration	Please refer to the COA for the specific lot.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -20°C or below and 1-2 weeks at 4°C. For long term storage, aliquot and store at -70°C or below. Avoid repeated freeze-thaw cycles.

Examples



Lane 1: 2 μg of Cathepsin B, His, Human, reducing (R)
 > 95% as analyzed by SDS-PAGE

Background

Target Background : Cathepsin B is an enzymatic protein that is a member of the peptidase (or protease) family. Elevated levels of cathepsin B occur in a wide variety of disease, causing numerous pathologies including cell death, inflammation, and the production of toxic peptides. For example, neuroscience research suggests that cathepsin B plays a role in inducing epilepsy resulting in a significant amount of cell death. Seizure-induced rats treated with a cathepsin B inhibitor exhibited improved neurological scores and learning ability with reduced neuronal cell death.

Synonyms : Cathepsin B; APP secretase; APPS

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28 Yongxi Road, Jiangning District, Nanjing, Jiangsu, China