

Datasheet for ABIN7320520

**EXTL2 Protein (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	EXTL2
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EXTL2 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse Exostosin-Like 2/EXTL2 Protein (His Tag)
Sequence:	Asn43-Met330
Characteristics:	Recombinant Mouse Exostosin-like 2 is produced by our Mammalian expression system and the target gene encoding Asn43-Met330 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	EXTL2
Alternative Name:	Exostosin-Like 2/EXTL2 ( <a href="#">EXTL2 Products</a> )
Background:	Background: Exostosin-like 2 (EXTL2) is a member of the exostosin (EXT)-related family which contains five members: EXT1, EXT2, EXTL1, EXTL2, and EXTL3. Studies have shown that EXT gene family members have the activities of heparan sulfate-synthesizing glycosyltransferases.

## Target Details

EXT1 and EXT2, which have been identified as causal genes for hereditary multiple exostoses, have HS-GlcAT-II and GlcNAcT-II activities. EXTL1 has GlcNAcT-II activity and EXTL3 has GlcNAcT-I and -II activities. EXTL2 has GlcNAcT-I and N-acetylgalactosaminyltransferase activities, and transfers a GlcNAc residue to the tetrasaccharide linkage region when this region is phosphorylated by a xylose kinase 1 (FAM20B) and thereby terminate chain elongation. In mice, lack of EXTL2 causes glycosaminoglycan (GAG) overproduction and structural changes of GAGs associated with pathological processes.

Synonym: Exostosin-like 2, Extl2, Alpha-1,4-N-acetylhexosaminyltransferase EXTL2, Alpha-GalNAcT EXTL2, EXT-related protein 2, Glucuronyl-galactosyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase

Molecular Weight: 33.6 kDa

UniProt: [Q9ES89](#)

## Application Details

Restrictions: For Research Use only

## Handling

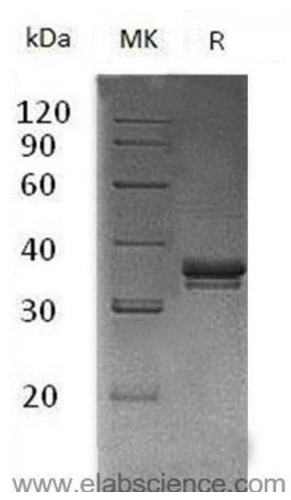
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.