

EXTL2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70908
Synonyms:	Exostosin-like 2; Extl2; Alpha-1; 4-N-acetylhexosaminyltransferase EXTL2; Alpha-GalNAcT EXTL2; EXT-related protein 2; Glucuronyl-galactosyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase
Species:	Mouse
Source:	HEK293
Accession:	Q9ES89 (N43-M330)
Gene ID:	58193
Molecular Weight:	Approximately 35.0 kDa

PROPERTIES

AA Sequence	<div> <div>N I K E D K M L T L</div> <div>L L N H Y Q A V P S</div> <div>I F K P Q T A N K M</div> <div>F A F S I W Q Q F P</div> <div>P G N G D Q Y S M V</div> <div>N C D D I A M N F L</div> <div>M W H R A E H F L Q</div> <div>Y A N H K S K M</div> </div> <div> <div>R R E I K S P S K S</div> <div>L H K V I V V W N N</div> <div>R N R L Q V F P E V</div> <div>D Q I I G F V P R K</div> <div>L I G A S F F N S K</div> <div>V T R H T G K P S G</div> <div>R S Y C I N K L V N</div> </div> <div> <div>A L D S F T L I M Q</div> <div>V G E K G P E E L W</div> <div>E T N A V L M V D D</div> <div>H V S T S S G I Y S</div> <div>Y L E L F Q K Q P A</div> <div>I F V K P I N M V N</div> <div>I Y D G M P L K Y S</div> </div> <div> <div>T Y N R T D L L L R</div> <div>N S L G P H P I P V</div> <div>D T L I S A Q D L V</div> <div>Y G G F E L Q T P G</div> <div>A V H A L I D E T Q</div> <div>L E K E T N G Y S G</div> <div>N I M I S Q F G F P</div> </div>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	EXTL2 (Exostosin-Like 2) is a glycosyltransferase crucial for the biosynthesis of heparan sulfate, a complex and essential glycosaminoglycan. Its enzymatic activity involves the alternating addition of beta-1-4-linked glucuronic acid (GlcA) and
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alpha-1-4-linked N-acetylglucosamine (GlcNAc) units to nascent heparan sulfate chains. This enzymatic process is integral to the construction of the intricate polysaccharide structure of heparan sulfate, which, in turn, plays key roles in various cellular functions, including cell signaling, adhesion, and tissue development.

Caution: Product has not been fully validated for medical applications. For research use only.

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