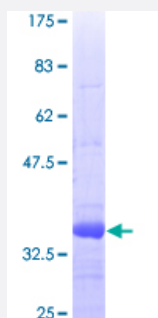


EXT2 (Human) Recombinant Protein (Q01)

Catalog # H00002132-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EXT2 partial ORF (AAH10058, 216 a.a. - 315 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GFSTWTYRQGYDVSIPVYSPLSAEVDLPEKGPGRQYFLLSSQVGLHPEYREDLEALQVKHGES VLVLDKCTNLSEGVLSVRKRCHKHQVFDYPQVLQEA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EXT2

Entrez GeneID [2132](#)

GeneBank Accession# [BC010058](#)

Protein Accession# [AAH10058](#)

Gene Name EXT2

Gene Alias SOTV

Gene Description exostoses (multiple) 2

Omim ID [133701 608210](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes one of two glycosyltransferases involved in the chain elongation step of heparan sulfate biosynthesis. Mutations in this gene cause the type II form of multiple exostoses. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq]

Other Designations Glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N- acetylglucosaminyltransferase|N-acetylglucosaminyl-proteoglycan 4-beta-glucuronosyltransferase|exostosin 2

Pathway

- [Heparan sulfate biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Exostoses](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [HIV Infections](#)
- [Hyperglycemia](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)