

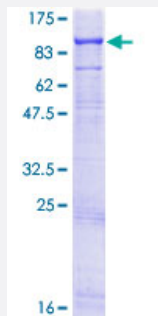
Full-Length

EXT2 (Human) Recombinant Protein (P01)

Catalog # H00002132-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EXT2 full-length ORF (NP_000392.1, 1 a.a. - 718 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MCASVKYNIRGPALIPRMKTKHRIYYITLFSIVLLGLIATGMFQFWPHSIESSNDWNVEKRSIRDVPVV
RLPADSPIPERGDLSCRMHTCFDVYRCGFNPKNIKVYYALKKYVDDFGVSVSNTISREYNELLM
AISDSYYTDDINRACLFVPSIDVLNQNTLRIKETAQAMAQLSRWDRGTNHLNMLPGGPPDYNT
ALDVPRDRALLAGGGFSTWYRQGYDVSIPVYSPLSAEVDLPEKGGPRQYFLLSSQVGLHPEY
REDLEALQVKHGESVLVLDKCTNLSEGVLSVRKRCHKHQVFDYPQVLQEATFCVVLRGARLGQ
AVLSVDVLQAGCVPVVIADSYLPFSEVLDWKRASVVVPEEKMSDVYSILQSIQRQIEEMQRQAR
WFWEAYFQSIKAIATLQIINDRIYPYAAISYEEWNDPPAVKWGSVSNPLFLPLIPPQSQGFTAMLT
YDRVESLFRVITEVSKVPSLSKLLVVWNNQKNPPEDSLWPKIRVPLKVVRTAENKLSNRFFPYD
EIEAEVLAIDDDIIMLTSDQLQGYEVWREFPDRLVGYPGRHLWDHEMNKWKYESEWTNEVSM
VLTGAIFYHKYFNLYTYKMPGDIKNWVDAHMNCEDIAMNFLVANVTGKAVIKVTPRKKFKCPECT
AIDGLSLDQTHMVERSEKINFASFVGTMLPKVVEHRADPVLKDDFPEKLKSFNIGSL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

108.7

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#	NM_000401.2
Protein Accession#	NP_000392.1
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](#)