

Datasheet for ABIN7556039
FAM20B Protein (AA 1-409) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | FAM20B |
| Protein Characteristics: | AA 1-409 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This FAM20B protein is labelled with His tag. |

Product Details

| | |
|--------------|---|
| Purpose: | Custom-made recombinant FAM20B Protein expressed in mammalian cells. |
| Sequence: | MKLLKQRVLL AILLVIFIFT KVFLIDNLDL SAANREDQRA FHRMMTGRLV ELAPKLDHTL QSPWEIAAQW VVPREVYPEE TPELGAVMHA MATKKIHKAD VGYKGTQLKA LLILEGGQKV VFKPKRYSRD HWVEGEPYAG YDRHNAEVAA FHLDRILGFH RAPLVVGRFV NLRTEIKPVA TEQLLSTFLT VGNNTCFYVK CYYCRETEPA CADGDIMEGS VTLWLDPDWP LQKHRHPWGR TYREGKLARW EYDESYCDAV KKTSPYDSGP RLLDIIDTAV FDYLIGNADR HHYESFQDDE GASMLILLDN AKSFGNPSLD ERSILAPLYQ CCIIRVSTWN RLNYLKNGVL KSALKSAMAH DPISPVLSDP HLDVAVDQRL SVLATVKQCT DQFGMDTVLV EDRMPLSHL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us. |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

FAM20B

Alternative Name:

FAM20B ([FAM20B Products](#))

Background:

Glycosaminoglycan xylosylkinase (EC 2.7.1.-) (Xylose kinase),FUNCTION: Responsible for the 2-O-phosphorylation of xylose in the glycosaminoglycan-protein linkage region of proteoglycans thereby regulating the amount of mature GAG chains. Sulfated glycosaminoglycans (GAGs), including heparan sulfate and chondroitin sulfate, are synthesized on the so-called common GAG-protein linkage region (GlcUA β 1-3Gal β 1-3Gal β 1-4Xyl β 1-O-Ser) of core proteins, which is formed by the stepwise addition of monosaccharide residues by the respective specific glycosyltransferases. Xylose 2-O-phosphorylation may influence the catalytic activity of B3GAT3 (GlcAT-I) which completes the precursor tetrasaccharide of GAG-protein linkage regions on which the repeating disaccharide region is synthesized. {ECO:0000269|PubMed:19473117, ECO:0000269|PubMed:24425863}.

Molecular Weight:

46.4 kDa

UniProt:

[O75063](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
