

Recombinant Mouse HAS2 Protein (67-374 aa), His-tagged

Cat. No. HAS2-547M Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Mouse HAS2 Protein (67-374 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.

Species Mouse

Source E.coli

ProteinLength 67-374 aa

Description Catalyzes the addition of GlcNAc or GlcUA monosaccharides to the nascent hyaluronan polymer. Therefore, it is essential to hyaluronan synthesis a major component of most Extracellular domain matrices that has a structural role in tissues architectures and regulates cell adhesion, migration and differentiation. This is one of the isozymes catalyzing that reaction and it is particularly responsible for the synthesis of high molecular mass hyaluronan. Required for the transition of endocardial cushion cells into mesenchymal cells, a process crucial for heart development. May also play a role in vasculogenesis. High molecular mass hyaluronan also play a role in early contact inhibition a process which stops cell growth when cells come into contact with each other or the Extracellular domain matrix.

Form Tris-based buffer, 50% glycerol

Molecular Mass 39.9 kDa

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AA Sequence

EHRKMKKSLETPIKLNKTVALCIAAYQEDPDYLRKCLQSVKRLTYPGIKVVMVIDGNS
 DDDLYMMDIFSEVMGRDKSATYIWKNNFHEKGPGETEESHKESSQHVTQLVLSNKS
 ICIMQKWGGKREVMYTAFRALGRSVDYVQVCDSDTMLDPASSVEMVKVLEEDPMV
 GGVGGDVQILNKYDSWISFLSSVRYWMAFNIERACQSYFGCVQCISGPLGMYRNSL
 LHEFVEDWYNQEFMGNQCSFGDDRHLTNRVLSLGYATKYTARSKCLTETPIEYLRW
 LNQQTRWSKSYFREWLYNAMWFHKHHL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [Has2 hyaluronan synthase 2 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [HAS2](#)

Gene ID [15117](#)

mRNA Refseq [NM_008216](#)

Protein Refseq [NP_032242](#)

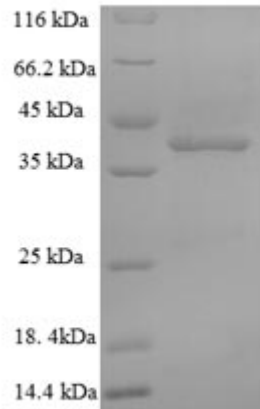
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UniProt ID

P70312



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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