

Recombinant Human Agrin, His-tagged

Cat. No. AGRN-131H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human agrin antigen (His-tagged) expressed in Sf9 has a molecular mass of 43,591 Dalton. The isoelectric point of the antigen is pH 8.9.
Species	Human
Source	Sf9 Cells
Description	Human $\alpha 3$ chain of collagen IV; identical with the antigen called "glomerular basal membrane antigen" (GBM). Recombinant antigen for solid (ELISA) and fluid phase diagnostic assays. Binds IgG-type human auto-antibodies. The term minicollagen designates the removal of most of the epitope-less triplehelical collagenous region (situated between the N-terminal 7S domain and the C-terminal noncollagenous NC1 domain), which is a requirement for recombinant production of this antigen.
Coating Concentration	0.12-0.5 μ g/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.
Applications	Standard ELISA test; Immuno-Dot test with positive/negative sera panels; SDS-PAGE; Western-Blot.
Caution	It has been reported that the immunodominant epitope of GBM is a cryptic epitope that is not easily accessible to the corresponding autoantibodies. It is necessary to treat the protein under nonreducing conditions with a denaturant such as urea to unmask the epitopes (see Hellmark et al. in Autoantibodies, Peter, J.B. and Shoenfeld, Y., eds., Elsevier B.V., 1996, pp 291-298).

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Storage & Stability

Recommendations for storage buffer: ion strength 100mM, neutral to slightly alkaline pH and 20 % glycerol as cryoprotective agent. Storage temperature: –70° to –80° C. Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name [AGRN agrin \[Homo sapiens \]](#)

Synonyms AGRN; agrin; FLJ45064; agrin proteoglycan; Agrin; AGRIN

Gene ID [375790](#)

mRNA Refseq [NM_198576](#)

Protein Refseq [NP_940978](#)

MIM [103320](#)

UniProt ID [O00468](#)

Chromosome Location 1p36.33

Pathway ECM-receptor interaction; Axon guidance

Function acetylcholine receptor regulator activity; laminin binding; structural constituent of cytoskeleton

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