

Product Data Sheet

Hyaluronan binding protein(HABP) [recombinant]

- Catalog No. : AMS.HKD-BC40 Lot. No: LC Ep: 2014.3
- Quantity : 200µL/vial (0.25mg/mL)
- Source : Recombinant human versican G1 domain(rHABP) expressed in *E.coli*.
- Buffer : Phosphate buffered saline pH7.4 , 10% glycerol
- Description : Versican G1 domain bind specifically to hyaluronan and doesn't bind to other glycosaminoglycan,DNA.
Versican G1 domain can use probe for hyaluronan detection.
- Characterization: On SDS-PAGE commassie blue stained gel,the purified recombinant protein shows a band at 36.7kDa.Purity is greater than 95% by SDS-PAGE gel.
- Applications : HA Capture in ELISA-like applications
The optimal dilution for specific application should be determined by the investigator.
- Storage : Store vial at -20°C to -80°C. Avoid freeze / thaw cycles.
- References : 1. Tengblad A. A comparative study of the binding of cartilage link protein and the hyaluronate-binding region of the cartilage proteoglycan to hyaluronate-substituted Sepharose gel. *Biochem J.* 1981 Nov1;199(2) :297-305.
2. Tengblad A. Quantitative analysis of hyaluronate in nanogram amounts. *Biochem J.* 1980 Jan 1;185(1) :101-5.

For research and in vitro use only. Not for diagnostic or therapeutic work.

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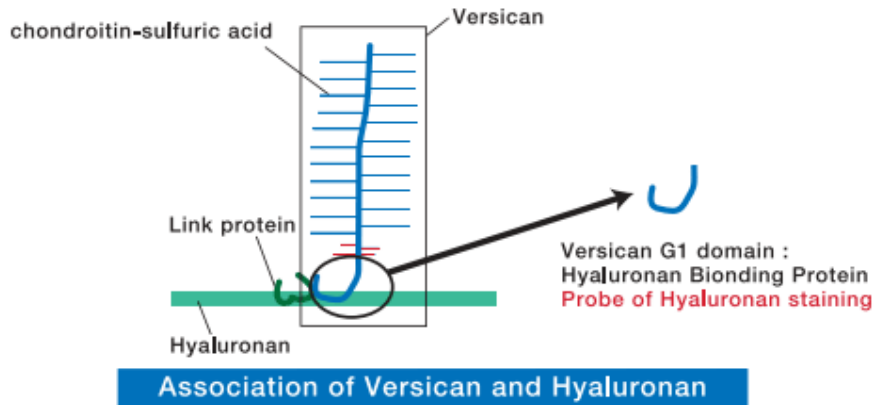
Hyaluronan Binding Protein [rHABP]



Background

Hyaluronan binding protein **rHABP** is produced by expression induced culturing in the presence of IPTG using E.coli BL21(DE3)RIL transfected with human versican G1-domain expression vector pRK172VG1. As compared with animal-derived HABP, the high biological safety is confirmed. **rHAB** doesn't bind to other Glycosaminoglycan and DNA and specifically detects the hyaluronan (HA).

Biotin is attached to **rHAB** to make the biotin-HABP.



Features & Usage

- Histochemistry and Cytochemistry.
- Detection of membrane-transferred hyaluronan,
- ELISA,
- hyaluronan purification with affinity column

Application



Sample : human skin
rHABP.-biotin (Cat# HKD-BC41) 2ug / ml

<References>

1. Seyfried_NT, *et al* J Biol Chem. 2005 Feb 18;280(7):5435-48. Epub 2004 Dec 8.
2. Zimmermann DR, Ruoslahti E. EMBO J. 1989 Oct;8(10):2975-81
3. Tengblad A. A comparative study of the binding of cartilage link protein and the hyaluronate-binding region of the cartilage proteoglycan to hyaluronate-substituted Sepharose gel. Biochem J. 1981 Nov 1;199(2):297-305
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