



# Recombinant Human Retinoic acid receptor beta (RARβ)

<b>Product Code</b>	CSB-EP019339HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P10826
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MTTSGHACPV PAVNGHMTHY PATPYPLLFP PVIGGLSLPP LHGLHGHPPP            SGCSTPSPAT IETQSTSSEE LVPSPSPPLP PPRVYKPCFV CQDKSSGYHY            GVSACEGCKG FFRRSIQKNM IYCHRDKNC VINKVTRNRC QYCRLQKCFE            VGMSKESVRN DRNKKKETS KQECTESYEM TAEDDLTEK IRKAHQETFP            SLCQLGKYTT NSSADHRVRL DLGLWDFSE LATKCIKIV EFAKRLPGFT            GLTIADQITL LKAACLDILI LRICTRYTPE QDTMTFSDGL TLNRTQMHNA            GFGPLTDLVF TFANQLLPLE MDDTETGLLS AICLICGDRQ DLEEPTKVDK            LQEPLLEALK IYIRKRRPSK PHMFPKILMK ITDLRSISAK GAERVITLKM            EIPGSMPLI QEMLENSEGH EPLTPSSSGN TAEHSPSISP SSVENSGVSQ            SPLVQ</p>
<b>Source</b>	E.coli
<b>Target Names</b>	RARB
<b>Protein Names</b>	Recommended name: Retinoic acid receptor beta Short name= RAR-beta Alternative name(s): HBV-activated protein Nuclear receptor subfamily 1 group B member 2 RAR-epsilon
<b>Expression Region</b>	1-455
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes retinoic acid receptor beta, a member of the thyroid-steroid hormone receptor superfamily of nuclear transcriptional regulators. This receptor localizes to the cytoplasm and to subnuclear compartments. It binds retinoic acid, the biologically active form of vitamin A which mediates cellular signalling in embryonic morphogenesis, cell growth and differentiation. It is thought that this protein limits growth of many cell types by regulating gene expression. The gene was first identified in a hepatocellular carcinoma where it flanks a hepatitis B virus integration site. The gene expresses at least two transcript variants; one additional transcript has been described, but its full length nature has not been determined.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.