



Recombinant Human Retinoic acid receptor beta (RARβ)

Product Code	CSB-BP019339HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P10826
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	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 LQEPILLEALK IYIRKRRPSK PHMFPKILMK ITDLRSISAK GAERVITLKM EIPGSMPLI QEMLENSEGH EPLTPSSSGN TAEHSPSISP SSVENSGVSQ SPLVQ
Source	Baculovirus
Target Names	RARB
Protein Names	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
Expression Region	1-455
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.