



Recombinant Rat Early growth response protein 1 (Egr1)

Product Code	CSB-EP007484RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P08154
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MDNYPKLEEM MLLSNGAPQF LGAAGTPEGS GGNNSSSSSS SSSGGGGGGG SNSGSSAFNP QGEPSEQPYE HLTTEFSDI ALNNEKALVE TSYPSQTTTL PPITYTGRFS LEPAPNSGNT LWPEPLFSLV SGLVSMTNPP TSSSSAPSPA ASSSSASQS PPLSCAVPSN DSSPIYSAAP TFPTPNTDIF PEPQSQAFFG SAGTALQYPP PAYPATKGGF QVPMIPDYLF PQQQGDLSLG TPDQKPFQGL ENRTQQPSLT PLSTIKAFAT QSGSQDLKAL NNTYQSqlik PSRMRYPNR PSKTPPHERP YACPVESCDR RFSRSEDELTR HIRIHTGQKP FQCRICMRNF SRSDHLTTHI RTHHTGEKPPA CDICGRKFAR SDERKRHTKI HLRQKDKKAD KSVVASSAAS SLSSYPSPVA TSYSPATTS FPSPVPTSYS SPGSSTYPSP AHSGFPSPSV ATTYASVPPA FPAQVSTFQS AGVSNSFSTS TGLSDMTATF SPRTIEIC
Source	E.coli
Target Names	Egr1
Protein Names	Recommended name: Early growth response protein 1 Short name= EGR-1 Alternative name(s): Nerve growth factor-induced protein A Short name= NGFI-A Transcription factor Zif268 Zinc finger protein Krox-24
Expression Region	1-508
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 protein belongs to the EGR family of C2H2-type zinc-finger proteins. It is a nuclear protein and functions as a transcriptional regulator. The products of target genes it activates are required for differentiation and mitogenesis. Studies suggest this is a cancer suppressor gene.
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.