



# Recombinant Rat E3 SUMO-protein ligase EGR2 (Egr2)

<b>Product Code</b>	CSB-EP007485RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P51774
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MMTAKAVDKI PVTLSGFMHQ LPDSLYPEVED LAAPSVTIFF NGELGGPFDQ MNGVAGDGM I NIDMTGEKRP LDLPYSSFA PISAPRNQTF TYMGKFSIDP QYPGASCYPE GIINIVSAGI LQGVTPPAST TASSSVTSAS PNPLATGPLG VCTMSQTQPE LDHLYSPPPP PPPYSGCTGD LYQDPSAFLS PPPTTSTSSL AYQPPPSYPS PKPAMDPGLI PMIPDYPGFF PSPCQRDPHG AAGPDRKPFPP CPLDSL RVPP PLTPLSTIRN FTLGGPSAGV TGP GASGGGE GPRLPGSGSA AVTATPYNPH HLPLRPILRP RKYPNRPSKT PVHERPYPCP AEGCDRRFSR SDELTRHIRI HTGHKPFQCR ICMRNFSD HLTTHIRHT GEKPFACDYC GRKFARSDER KRHTKIHLRQ KERKSSAPSS SASAQSSASG PGGSQAGGSL CGNSAIGGPL ASCTSRTRTP
<b>Source</b>	E.coli
<b>Target Names</b>	Egr2
<b>Protein Names</b>	Recommended name: E3 SUMO-protein ligase EGR2 EC= 6.3.2.- Alternative name(s): Early growth response protein 2 Short name= EGR-2 Zinc finger protein Krox-20
<b>Expression Region</b>	1-470
<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 protein is a transcription factor with three tandem C2H2-type zinc fingers. Defects in this gene are associated with Charcot-Marie-Tooth disease type 1D (CMT1D), Charcot-Marie-Tooth disease type 4E (CMT4E), and with Dejerine-Sottas syndrome (DSS). Multiple transcript variants encoding two different isoforms have been found for this gene.
<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.