

Connexin 40 (CX40) Recombinant Protein | CX40 recombinant protein

Recombinant Connexin 40 (CX40)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA134404	E Coli	Rat	Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page

PRODUCT SYNONYMS

Connexin 40 (CX40); Recombinant Connexin 40 (CX40); CX40 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Rat
Purity/Purification	>98%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300
Applicable Applications for CX40 recombinant protein	IP (CoImmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Source	Prokaryotic expression
Original Concentration	200ug/mL
Traits	Freeze-dried powder
Residues	Ala50~Glu303
Tags	N-terminal His-Tag
Tissue Specificity	Lung
Subcellular Location	Cell membrane; Multi-pass membrane protein. Cell junction, gap junction
Predicted isoelectric point	6.9
Predicted Molecular Mass	30.1kDa
Accurate Molecular Mass	20&16kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	<p>The possible reasons that the actual band size differs from the predicted are as follows:</p> <ol style="list-style-type: none"> 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	<p>Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for two years.</p> <p>Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p>

IMAGES

Application Data



Sequence



SDS-PAGE



NCBI AND UNIPROT INFORMATION

NCBI GI #	9506725
NCBI GeneID	50563
NCBI Accession #	NP_062153.1
NCBI GenBank Nucleotide #	NM_019280.1
UniProt Accession #	P28234
NCBI Official Full Name	gap junction alpha-5 protein
NCBI Official Synonym Full Names	gap junction protein, alpha 5
NCBI Official Symbol	Gja5
NCBI Official Synonym Symbols	Cx40
NCBI Protein Information	gap junction alpha-5 protein; connexin 40; connexin-40; gap junction membrane channel protein alpha 5
UniProt Protein Name	Gap junction alpha-5 protein
UniProt Gene Name	Gja5
UniProt Synonym Gene Names	Cxn-40; Cx40
UniProt Entry Name	CXA5_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.