

Connexin 43 Recombinant Protein | CX43 recombinant protein

Recombinant Connexin 43 (CX43)

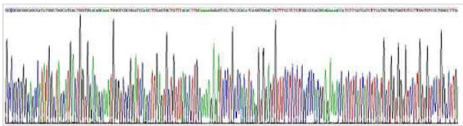
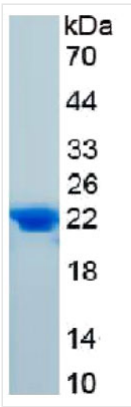
CATALOG # AAA20966	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS SDS-Page, Western Blot
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PRODUCT SYNONYMS

Connexin 43; Recombinant Connexin 43 (CX43); CX43 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for CX43 recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression
Residues	Ser244~Ile382
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	8.0
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 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 ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. 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.



Gene Sequencing (Extract)

SDS-PAGE

SDPYHAT

SGALSPAKDC GSQKYAYFNG CSSPTAPLSP MSPPGYKLVT GDRNNSSCRN

YNKQASEQNW ANYSAEQNRN GOAGSTISNS HAQPFDFPDD NQNSKKLAAG

HELQPLAIVD QRPSSRASSR ASSRPRPDOL EI

Sequence Information

NCBI AND UNIPROT INFORMATION

NCBI GI #	12055391
NCBI GeneID	100518636
UniProt Accession #	Q9GJX4; Q29101
Molecular Weight	Predicted Molecular Mass: 18.7kDa Accurate Molecular Mass: 22kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	connexin 43, partial
NCBI Official Symbol	GJA1
NCBI Official Synonym Symbols	CX43
NCBI Protein Information	gap junction alpha-1 protein
UniProt Protein Name	Connexin 43
UniProt Gene Name	connexin 43
UniProt Entry Name	Q9GJX4_PIG

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.