

Low Density Lipoprotein Receptor Related Protein 3 (LRP3) Recombinant Protein | LRP3 recombinant protein

Recombinant Low Density Lipoprotein Receptor Related Protein 3 (LRP3)

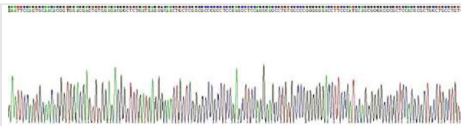
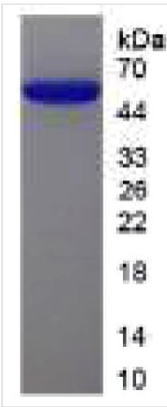
CATALOG # AAA134605	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Low Density Lipoprotein Receptor Related Protein 3 (LRP3); Recombinant Low Density Lipoprotein Receptor Related Protein 3 (LRP3); LRP3 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: 50ug/mL (varies by lot)
Applicable Applications for LRP3 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Gln184-Asp435
Tags	Two N-terminal Tags, His-tag and SUMO-tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	4.4
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 0-0.25 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 Sequence
Gene Sequencing (extract

SDS-PAGE

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QCNVTDE CGDGSDEGNC
SAPASEPPGS LCPGGTFPCS GARSTRCLPV ERRCDGLQDC GDGSD EAGCP
DLACGRRLGS FYGSFASPD L FGAARGPSDL HCTWLVDTD SRRVLLQLEL
RLGYDDYVQV YEGLGERGDR LLQTL SYRSN HRPVSL EAAQ GRLTVAYHAR
ARSAGHG FNA TYQVKGYCLP WEQPCGSSSD SDGGS LGDQG CFSEPQRCDG
WNHCASGRDE QGCPACPPDQ YPCEGGSGLC YTPAD
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Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	167555125
NCBI GeneID	4037
NCBI Accession #	NP_002324.2
NCBI GenBank Nucleotide #	NM_002333.3
UniProt Accession #	O75074; B3KQD6; B4DKF2
Molecular Weight	Predicted Molecular Mass: 40.6kDa Accurate Molecular Mass: 50kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	low-density lipoprotein receptor-related protein 3
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein 3
NCBI Official Symbol	LRP3
NCBI Protein Information	low-density lipoprotein receptor-related protein 3; LRP-3; hLRp105; CTD-2540B15.13; 105 kDa low-density lipoprotein receptor-related protein
UniProt Protein Name	Low-density lipoprotein receptor-related protein 3
UniProt Gene Name	LRP3
UniProt Synonym Gene Names	LRP-3; hLRp105
UniProt Entry Name	LRP3_HUMAN

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.