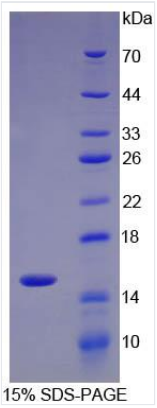
Interleukin 34 (IL34) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interleukin 34 (IL34), Recombinant Protein
Full Product Name	Recombinant Interleukin 34 (IL34)
Product Gene Name	IL34 recombinant protein
Sequence	The target protein is fused with N-terminal His-Tag, its sequence is listed below. MGHHHHHHSG SEF- NENLEIWTLA QDKECDLTGY LRGKLQYKNR LQYMKHYFPI NYRIAVPYEG VLRVANITRL KAHVSERELR YLWVLVSLNA TESVLDVLLE GHPSWKYLQE VQTLLENVQR SLMDVEIGPH VEAVLSLLST PGLSLKLVRP KALLDNCFRV MELLYCSCCK QSPILKWQDC ELPRLHPHSP ESLMQCAATN VYPLPRQPPT SLPRSPSSNH GPLP
Host	E Coli
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Purity/Purification	> 95%
Preparation and 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 of the targetprotein. 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 andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: IL34 (MBS2001373) Immunogen: IL34 (MBS2009009)
Matching Pairs	APC-CY7 Conjugated Antibody: IL34 (MBS2061947) Immunogen: IL34 (MBS2009009)
Matching Pairs	PE Conjugated Antibody: IL34 (MBS2061948) Immunogen: IL34 (MBS2009009)
Matching Pairs	APC Conjugated Antibody: IL34 (MBS2061949) Immunogen: IL34 (MBS2009009)
Matching Pairs	Cy3 Conjugated Antibody: IL34 (MBS2061950) Immunogen: IL34 (MBS2009009)
Matching Pairs	FITC Conjugated Antibody: IL34 (MBS2061951) Immunogen: IL34 (MBS2009009)
Matching Pairs	HRP Conjugated Antibody: IL34 (MBS2061952) Immunogen: IL34 (MBS2009009)
Matching Pairs	Biotin Conjugated Antibody: IL34 (MBS2094064) Immunogen: IL34 (MBS2009009)
Molecular Weight	26.1kDa
Chromosome Location	Chromosome: 19; NC_005118.3 (51680005..51729266). Location: 19q12
3D Structure	ModBase 3D Structure for Q4KM46
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Organism	Rattus norvegicus (Rat)

Expression System	Prokaryotic expression
Residues	Asn21~Pro234 (Accession # Q4KM46) with N-terminal His-Tag
Subcellular Location	Secreted
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	7.7
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for IL34 recombinant protein	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Related Product Information for IL34 recombinant protein	MBS2009009 is a recombinant protein targeting IL34. Also known as Recombinant Interleukin 34 (IL34). Host: E Coli.
Other Notes	Small volumes of IL34 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of IL34 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL34. It may not necessarily be applicable to this product.

NCBI GI #	71043738
NCBI GeneID	498951
NCBI Accession #	NP_001020937.1
UniProt Primary Accession #	Q4KM46
UniProt Related Accession #	Q4KM46
GenBank Nucleotide #	NM_001025766.1
NCBI Official Full Name	interleukin-34
NCBI Official Synonym Full Names	interleukin 34
NCBI Official Symbol	Il34
UniProt Protein Name	Interleukin-34
Protein Family	Interleukin
UniProt Gene Name	Il34

UniProt Synonym Gene Names	IL-34
UniProt Entry Name	IL34_RAT
NCBI Protein Information	interleukin-34; IL-34
UniProt Comments for IL34	Function: Cytokine that promotes the proliferation, survival and differentiation of monocytes and macrophages. Promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1 By similarity. Subunit structure: Homodimer. Interacts with CSF1R By similarity. Subcellular location: Secreted By similarity. Sequence similarities: Belongs to the IL-34 family.
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