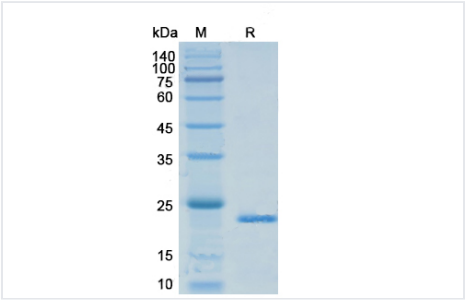
IL6 Dog Recombinant Protein

PRODUCT OVERVIEW

Product Name	IL6, Recombinant Protein
Full Product Name	Recombinant Dog IL6, C-His
Product Gene Name	IL6 recombinant protein
Product Synonym Names	Hybridoma growth factor; BSF-2; IFN-beta-2; CDF; IL6; Interleukin-6; IL-6; B-cell stimulatory factor 2; Interferon beta-2; IFNB2; CTL differentiation factor
Host	E coli
Form/Format	Liquid; 0.01M PBS, pH7.4.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	22,945 Da
Sequence Positions	Phe21-Met207
3D Structure	ModBase 3D Structure for P41323
Species	Dog
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for IL6 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for IL6 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for IL6 recombinant protein	MBS1576417 is a recombinant protein targeting IL6. Also known as Recombinant Dog IL6, C-His. Host: E coli.
Other Notes	Small volumes of IL6 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.



Testing Data of IL6 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL6. It may not necessarily be applicable to this product.

NCBI GI #	729836
NCBI GeneID	403985
NCBI Accession #	P41323.1
UniProt Primary Accession #	P41323
UniProt Secondary Accession #	Q9MYZ7
UniProt Related Accession #	P41323
NCBI Official Full Name	Interleukin-6
NCBI Official Synonym Full Names	interleukin 6
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	IL-6
UniProt Protein Name	Interleukin-6
Protein Family	Interleukin
UniProt Gene Name	IL6
UniProt Synonym Gene Names	IL-6
NCBI Protein Information	interleukin-6
UniProt Comments for IL6	Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Required for the generation of T(H)17 cells. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation ().
Research Articles on IL6	**1.** An increase in ventricular dimension is accompanied by increases in AQP4 and IL-6 concentrations in the CSF of dogs with idiopathic communicating hydrocephalus. All were greatly reduced or normalised after shunt treatment. Therefore AQP4 and IL-6 in CSF can be indicators of ventriculomegaly, of cellular damage, and of improvement after the treatment of hydrocephalus.
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