



Cytokine Product Series

Designed for Cell Culture

Elabscience® offers a comprehensive range of cytokines, including chemokines, interferons (IFNs), interleukins, tumor necrosis factors (TNFs), colony-stimulating factors (CSFs), growth factors, and other cytokine-related proteins.



Lower Endotoxin

Endotoxin < 1.0 EU/μg of the protein as determined by the LAL method



Validated Activity

Functionality confirmed through cell-based experiments



High Purity

Purity ≥ 95% as determined by reducing SDS-PAGE



Multiple Expression Systems

E.coli, yeast, mammalian cells, baculovirus-insect cell, and more



Versatile Tags

20+ types of tags available, with some products offered tag-free



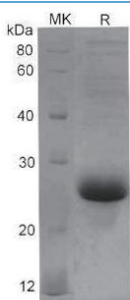
Strict Quality Control

Manufactured under standardized procedures in a GMP-level workshop

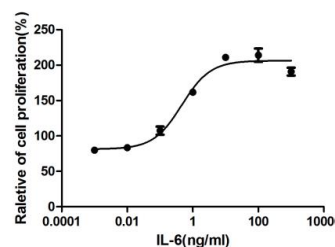
Research Fields

Cancer Cardiovascular Immunology Metabolism Neuroscience
Signal Transduction **Stem Cells** Cell Biology Developmental Biology
Epigenetics and Nuclear Signaling **Tags and Cell Markers** Microbiology

Experimental Validation



Purity > 90% as determined by reducing SDS-PAGE.



Bioactivity was evaluated using the TF-1 proliferation assay. The ED50 was 0.27-0.81 ng/mL.

Featured Cytokines

Application	Cat. No.	Product Name	Tag	Bio-activity	Endotoxin
Stem Cells Culture	PKSH032007	Recombinant Human TGFβ1/TGF-beta 1 Protein	None	Active	< 0.01 EU/μg
	PKSH033576	Recombinant Human Noggin/NOG Protein	None	Active	< 0.01 EU/μg
	PKSH034130	Recombinant Human BMP-4 protein	C-His	Active	< 0.1 EU/μg
Immune Cells Culture	PKSH033630	Recombinant Human Interleukin-15/IL-15 Protein	N-His	Active	< 0.01 EU/μg
	PKSH031111	Recombinant Human IL-21R Protein (His Tag)	C-His	Active	< 1.0 EU/μg
	PKSH032502	Recombinant Human GM-CSF/CSF2 Protein	C-His	Active	< 0.01 EU /μg
Organoid Culture	PKSH032439	Recombinant Human FGF-2/FGFb Protein	None	Active	< 0.01 EU/μg
	PKSH033972	Recombinant Human Wnt3a/Wnt-3a	None	Active	< 0.01 EU/μg
Targeted Therapy	PKSH033490	Recombinant Human TNF-alpha/TNFA Protein	None	Active	< 0.01 EU/μg
	PDEH100712	Recombinant Human IL-6 Protein	N-His	Active	< 0.01 EU /μg

For more cytokine products, please visit www.elabscience.com or contact local distributors.

Citations

Cat. No.	Product Name	Citation Information
PKSH033972	Recombinant Human Wnt3a/Wnt-3a	R-spondin 2 governs xenopus left-right body axis formation by establishing an FGF signaling gradient (<i>Nature Communications</i>)
PKSH032628	Recombinant Human IL-1 beta/IL1B Protein	A label-free AuNPs-based ultrasensitive plasmonic ELISA by alkaline phosphatase and ferrous ion-initiated cascade amplification (<i>Sensors And Actuators B-Chemical</i>)
PKSM041097	Recombinant Mouse Interleukin-6/IL-6 Protein	
PKSQ050066	TNF-alpha/TNFSF2/TNFα Protein	

For more citation information, please visit www.elabscience.com.

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Elabscience Bionovation Inc.

Toll-free: 1-888-852-8623

Tel: 1-832-243-6086

Fax: 1-832-243-6017

Web: www.elabscience.com

Email: orders@elabscience.com; techsupport@elabscience.com

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