Bioactive

TSLP (Human) Recombinant Protein

Catalog # P7159 Size 10 ug

Specification

Product Description	Human TSLP (Q969D9, 29 a.a. - 159 a.a.) partial recombinant protein expressed in *Escherichia coli* .
Sequence	YDFTNCDFEKIKAAYLSTISKDLITYMSGTKSTEFNNTVSCSNRPHCLTEIQSLTFNPTAGCASLAKE MFAMKTKAALAIWCPGYSETQINATQAMKKRRKRKVTTNKCLEQVSQLQGLWRRFNRPLLKQQ
Host	Escherichia coli
Theoretical MW (kDa)	15.1
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 98% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The ED_{50} was determined by the cell proliferation assay using human IL-7Ralpha and human TSLP R co-transfected murine BaF3 pro-B cells is < 0.3 ng/ml, corresponding to a specific activity of > 3.3 x 10^6 IU/mg.
Storage Buffer	Lyophilized from sterile distilled Water up to 0.1 - 1.0 mg/ml
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — TSLP

Entrez GeneID	85480
Protein Accession#	Q969D9
Gene Name	TSLP
Gene Alias	-
Gene Description	thymic stromal lymphopoietin
Omim ID	607003
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a hemopoietic cytokine proposed to signal through a heterodimeric receptor complex composed of the thymic stromal lymphopoietin receptor and the IL-7R alpha chain. It mainly impacts myeloid cells and induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of CD11c(+) dendritic cells. Alternative splicing of this gene results in two transcript variants. [provided by RefSeq
Other Designations	-

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway

Disease

- Asthma
- Birth Weight
- Bronchial Hyperreactivity
- Dermatitis
- Esophagitis
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma

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- Kaposi Varicelliform Eruption
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Obesity
- Vitiligo

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