

Product Datasheet

Recombinant Mouse LIF Protein NBC1-21351-0.010mg

Unit Size: 0.01 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBC1-21351-0.010mg**Recombinant Mouse LIF Protein**

Product Information	
Unit Size	0.01 mg
Concentration	Lyoph
Storage	Store at -20C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with sterilized water to a final concentration of at least 0.1 mg/ml.
Buffer	Sterile filtered 0.2 um.PBS, pH 7.2.
Target Molecular Weight	22.8 kDa

Product Description	
Description	<p>A biologically active recombinant protein with a 16 residue His tag and corresponding to 204 total residues of LIF.</p> <p>Source: <i>E. coli</i> The recombinant protein migrates with an apparent molecular mass of 28-30 kDa in SDS-PAGE.</p>
Gene ID	3976
Gene Symbol	LIF
Species	Mouse
Reactivity Notes	Mouse Recombinant protein
Preparation Method	Produced in the endosperm tissue of barley grain (<i>Hordeum vulgare</i>), that exhibits up to 50 times less protease activity than <i>E.coli</i> or mammalian cells. Barley seed is void of any human or animal viral contaminants that could jeopardize your cell culture.
Details of Functionality	The bioactivity of NovActive murine LIF was determined by its ability to induce differentiation of murine M1 myeloid leukemia cells. The ED50 value for this effect is typically < 1 ng/ml, corresponding to a specific activity of > 5 x 10e7 U/mg (where 50 U is defined as the amount of mLIF required to induce differentiation of 50% of M1 cells).
Endotoxin Note	Endotoxin level is less than 0.005ng per ug (0.05EU/ug) as measured by turbidimetric kinetic assay.

Product Application Details	
Applications	Western Blot, Functional, Bioactivity
Recommended Dilutions	Western Blot, Functional, Bioactivity
Application Notes	NovActiverecombinant mouse LIF is produced in the endosperm tissue of barley grain (<i>Hordeum vulgare</i>), that exhibits up to 50 times less protease activity than <i>E.coli</i> or mammalian cells. Barley seed is void of any human or animal viral contaminants that could jeopardize your cell culture.



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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