

Recombinant Mouse IL-1A/IL-1 α Protein

Catalog Number:PKSM041080



Note: Centrifuge before opening to ensure complete recovery of vial contents.

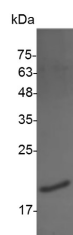
Description

Synonyms	Interleukin-1 Alpha;IL-1 Alpha;Il1a
Species	Mouse
Expression Host	E.coli
Sequence	Ser115-Ser270
Accession	P01582
Calculated Molecular Weight	18.9 kDa
Observed molecular weight	20 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per μ g of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Mouse Interleukin-1 (IL-1) designates two proteins, IL-1 α and IL-1 β , which are the products of distinct genes, but recognize the same cell surface receptors. IL-1 α and IL-1 β are structurally related polypeptides that show approximately 25% homology at the amino acid level. Both proteins are produced by a wide variety of cells in response to stimuli such as those produced by inflammatory agents, infections, or microbial endotoxins. The proteins are synthesized as 31 kDa precursors that are subsequently cleaved into proteins with molecular weights of approximately 17.5 kDa.

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