

Product Datasheet

Recombinant Mouse IL-1ra/IL-1F3/IL1RN Protein NBP2-35105-100ug

Unit Size: 100 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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NBP2-35105-100ug

Recombinant Mouse IL-1ra/IL-1F3/IL1RN Protein

Product Information	
Unit Size	100 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 97 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
Target Molecular Weight	17.3 kDa

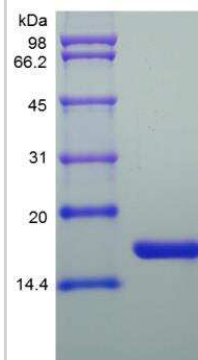
Product Description	
Description	A single non-glycosylated polypeptide chain containing 152 amino acids corresponding to IL-1ra/IL-1F3/IL1RN Source: <i>E. coli</i> Uniprot ID: Q542W1 Amino Acid Sequence: RPSGKRPCCKM QAFRIWDTNQ KTFYLRNNQL IAGYLQGPNI KLEEKIDMVP IDLHSVFLGI HGGKLCLSCA KSGDDIKLQL EEVNITDLSK NKEEDKRFTF IRSEKGPTTS FESAACPGWF LCTTLEADRP VSLTNTPEEP LIVTKFYFQE DQ
Gene ID	3557
Gene Symbol	IL1RN
Species	Mouse
Details of Functionality	IL-1ra/IL-1F3/IL1RN protein is fully biologically active when compared to standard. The ED50 as determined by inhibiting IL-1alpha- dependent proliferation of murine D10S cells is less than 50 ng/ml, corresponding to a specific activity of > 2.0 x 10 ⁴ IU/mg in the presence of 50 pg/ml rHuIL-1alpha.
Endotoxin Note	Less than 1 EU/ug of IL-1ra/IL-1F3/IL1RN as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity



Images

SDS-Page: Mouse IL-1ra/IL-1F3/IL1RN Protein [NBP2-35105]



Publications

Guo X, Pan Y, Xiong M et al. Midkine activation of CD8+ T cells establishes a neuron-immune-cancer axis responsible for low-grade glioma growth Nat Commun 2020-05-01 [PMID: 32358581] (Mouse)

Putnam, NE;Fulbright, LE;Curry, JM;Ford, CA;Petrongo, JR;Hendrix, AS;Cassat, JE; MyD88 and IL-1R signaling drive antibacterial immunity and osteoclast-driven bone loss during Staphylococcus aureus osteomyelitis PLoS Pathog. 2019-04-01 [PMID: 30978245] (Bioactivity, Mouse)





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Products Related to NBP2-35105-100ug

NBP2-35225-100ug	Recombinant Rat IL-1ra/IL-1F3/IL1RN Protein
210-TA-005	TNF-alpha [Unconjugated]
DRA00B	IL-1ra/IL-1F3/IL1RN [HRP]
M6000B-1	IL-6 [HRP]

Limitations

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