

IL-1RA/IL-1F3 Active Protein | IL-1RA active protein

Recombinant human IL-1RA/IL-1F3 protein

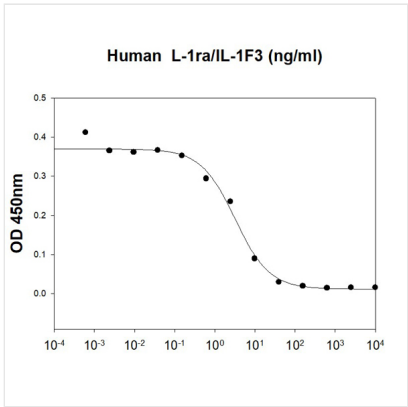
CATALOG # AAA48355	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

PRODUCT SYNONYMS

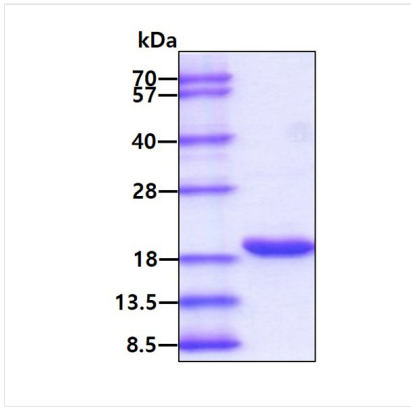
IL-1RA/IL-1F3; Recombinant human IL-1RA/IL-1F3 protein; IL1RN; IL1F3; IL1RA; Interleukin-1 receptor antagonist; IL-1ra; IL-1RN; IRAP; IL1 inhibitor; ICIL-1RA; Anakinra; Interleukin-1 receptor antagonist protein; ICIL 1RA; ICIL1RA; IL-1RA active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS - PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4)
Concentration	1mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	26-177aa
Sequence	MRPSGRKSSK MQAFRIWDVN QKTFYLRNNQ LVAGYLQGPV VNLEEKIDVV PIEPHALFLG IHGGKMCLSC VKSGDETRLQ LEAVNITDLS ENRKQDKRFA FIRSDSGPTT SFESAACPGW FLCTAMEADQ PVSLTNMPDE GVMVTKFYFQ EDE
Sequence Length	177
Applicable Applications for IL-1RA active protein	Bioactivity, SDS-PAGE
Antigen Species	Human
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Tag Information	Non-Tagged
Biological Activity	The activity is determined by the IFN-g ELISA in a using NK-92 human natural killer cells. The ED50 range ?10 ng/ml.
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
SDS-Page



Bioactivity
Human IL-1ra/IL-1F3 stimulates IFN-g secretion of the NK-92 human natural killer cells. The ED50 range ?10 ng/ml.

ADDITIONAL INFORMATION

Related Product Information for IL-1RA active protein	IL-1RA/IL-1F3, also known as interleukin-1 receptor antagonist, is a glycosylated protein and a powerful anti-inflammatory agent. IL?1RA is a pan?physiological inhibitor of IL?1 that prevents the activation of IL?1 receptors by inhibiting IL?1 binding to its receptors. It can inhibit angiogenesis by blocking the activation of the IL?1alpha/PI3K/NF??B pathway in IL?1?producing human colon cancer cells. Also, Several autoimmune and inflammatory diseases have been associated with an allelic polymorphism of the IL-1RA. Recombinant human IL-1RA was expressed in E. coli and purified by using conventional chromatography techniques.
Product Categories/Family for IL-1RA active protein	Hormones & Cytokines
References	Capper., et al. (2004) Clin. Exp. Immunol. 138:348;;Roberge CJ., et al. (1994) Journal of Immunology. 152: 5485-94;;Carter DB., et al. (1990) Nature. 344: 633-7

NCBI AND UNIPROT INFORMATION

NCBI GI #	27894319
NCBI GeneID	3557
NCBI Accession #	NP_776214
NCBI GenBank Nucleotide #	NP_776214.1
UniProt Accession #	P18510
Molecular Weight	17.2 kDa (153aa), confirmed by MALDI-TOF
NCBI Official Full Name	interleukin-1 receptor antagonist protein isoform 1
NCBI Official Synonym Full Names	interleukin 1 receptor antagonist
NCBI Official Symbol	IL1RN
NCBI Official Synonym Symbols	DIRA; IRAP; IL1F3; IL1RA; MVCD4; IL-1RN; IL-1ra; IL-1ra3; ICIL-1RA
NCBI Protein Information	interleukin-1 receptor antagonist protein
UniProt Protein Name	Interleukin-1 receptor antagonist protein
UniProt Gene Name	IL1RN
UniProt Synonym Gene Names	IL1F3; IL1RA; IL-1RN; IL-1ra; IRAP
UniProt Entry Name	IL1RA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/il-1ra-il-1f3/48355>