

Product datasheet

Recombinant Human IL-1RAcP protein (His tag) ab191652

1 Image

Description

Product name	Recombinant Human IL-1RAcP protein (His tag)	
Purity	> 95 % SDS-PAGE. Lyophilized from 0.22 µm filtered solution	
Endotoxin level	< 1.000 Eu/µg	
Expression system	HEK 293 cells	
Accession	<u>Q9NPH3</u>	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<p>SERCDDWGLD TMRQIQVFED EPARIKCPLF EHFLKFNYSY AHSAGLTLW YWTRQDRDLE EPINFRLPEN RISKEKDVLW FRPTLLNDTG NYTCMLRNTT YCSKVAFPLE VVQKDSCFNS PMKLPVHKLY IEYGIQRITC PNVDGYFPSS VKPTITWYMG CYKIQNFNNV IPEGMNL SFL IALISNNGNY TCVVTYPENG RTFHLTRTLT VKVVGSPKNA VPPVIHSPND HVVYEKEPGE ELLIPCTVYF SFLMDSRNEV WWTIDGKKPD DITIDVTINE SISHSRTEDE TRTQILSIKK VTSEDLKRSY VCHARSAKGE VAKAAKVKQK VPAPRYTVE</p>	
Predicted molecular weight	40 kDa including tags	
Amino acids	21 to 359	
Tags	His tag C-Terminus	

Specifications

Our **Abpromise guarantee** covers the use of **ab191652** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Lyophilized

Additional notes

This product is stable after storage at:
-20°C to -70°C for 12 months in lyophilized state;
-70°C for 3 months under sterile conditions after reconstitution.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA). Please see notes section.

pH: 7.40

Constituent: 95% PBS

5-10% trehalose is commonly used for freeze drying, and after reconstitution, the trehalose is mostly about 3-5%

Reconstitution

Reconstitute with sterile deionized water to a concentration of 100 µg/ml.

General Info

Function

Coreceptor with IL1R1. Associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective TIR domains of the receptor/coreceptor subunits. Recruits TOLLIP to the signaling complex. Does not bind to interleukin-1 alone; binding of IL1RN to IL1R1, prevents its association with IL1R1 to form a signaling complex. The cellular response is modulated through a non-signaling association with the membrane IL1R2 decoy receptor. Secreted forms (isoforms 2 and 3) associate with secreted ligand-bound IL1R2 and increase the affinity of secreted IL1R2 for IL1B; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors.

Tissue specificity

Detected in liver, skin, placenta, thymus and lung.

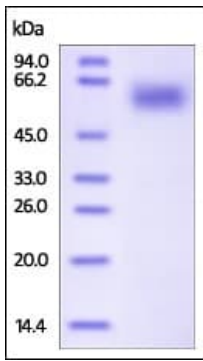
Sequence similarities

Belongs to the interleukin-1 receptor family.
Contains 3 Ig-like C2-type (immunoglobulin-like) domains.
Contains 1 TIR domain.

Cellular localization

Secreted and Cell membrane.

Images



SDS-PAGE - Recombinant Human IL-1RAcP protein
(ab191652)

SDS-PAGE of reduced ab191652 stained overnight with Coomassie Blue. The protein migrates as 50-60 kDa due to glycosylation.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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