abcam

Product datasheet

Recombinant Human IL-1RAcP protein ab151831

Description

Product name	Recombinant Human IL-1RAcP protein
Purity	> 95 % SDS-PAGE. ab151831 is greater than 95% pure, as determined by SEC-HPLC and reducing SDS-PAGE. It was lyophilized from an 0.2 µM filtered solution.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	Q9NPH3
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	SERCDDWGLDTMRQIQVFEDEPARIKCPLFEHFLKFNYST AHSAGLTLIW YWTRQDRDLEEPINFRLPENRISKEKDVLWFRPTLLNDTG NYTCMLRNTT YCSKVAFPLEVVQKDSCFNSPMKLPVHKLYIEYGIQRITCP NVDGYFPSS VKPTITWYMGCYKIQNFNNVIPEGMNLSFLIALISNNGNYTC VVTYPENG RTFHLTRTLTVKVVGSPKNAVPPVIHSPNDHVVYEKEPGE ELLIPCTVYF SFLMDSRNEVWWTIDGKKPDDITIDVTINESISHSRTEDET RTQILSIKK VTSEDLKRSYVCHARSAKGEVAKAAKVKQKGNRCGQ
Predicted molecular weight	40 kDa including tags
Amino acids	21 to 356
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab151831** 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

	HPLC
Form	Lyophilized
Additional notes	Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Preparation and Storage

Stability and Storage	Store at +4°C short term (1-2 weeks). Store at -20°C long term. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C.. pH: 7.20 Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride
Reconstitution	Dissolve the lyophilized protein in 1X PBS. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors