

Recombinant Human IL-12RB2 protein ab158762

1 Image

Description

Product name	Recombinant Human IL-12RB2 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	

MAHTFRGCSLAFMFIITWLLIKAKIDACKRGDVTVKPSHVIL
LGSTVNIT
CSLKPRQGCFFHYSRRNKLILYKFDRRINFHHGHSLNSQVT
GLPLGTTLFV
CKLACINSDEIQICGAEIFVGVAPEQPQNLSCIQKGEQGT
ACTWERGRD
THLYTEYTLQLSGPKNLTWQKQCKDIYCDYLDGFINLTPES
PESNFTAKV
TAVNSLGSSSSLPSTFTFLDIVRPLPPWDIRIKFQKASVSR
CTLYWRDEG
LVLLNRLRYRPSNSRLWNMVNVTAKGRHDLLDLKPFTEY
EFQISSKLHL
YKGSWSDWSESLRAQTPEEEPTGMLDVWYMKRHIDYSR
QQISLFWKNLSV
SEARGKILHYQVTLQELTGGKAMTQNTGHTSWTTVIPRTG
NWAVAVSAA
NSKGSSLPTRINIMNLCEAGLLAPRQVSANSEGMDNILVT
WQPPRKDPSA
VQEYVVEWRELHPGGDTQVPLNWLRSRPNVSALISENIK
SYCYEIRVY
ALSGDQGGCSSILGNSKHKAPLSGPHINAITEEKGSILISWN
SIPVQEQM
GCLLHYRIWKERDSNSQPQLCEIPYRVSQNSHPINSLQPR
VTYVLWMTA
LTAAGESHGNEREFCLQGKANWMAFVAPSICIAIIMVGIF
STHYFQQKV
FVLLAALRPQWCSREIPDPANSTCAKKYPIAEEKTQLPLD
RLIDWPTPE
DPEPLVISEVLHQVTPVFRHPPCSNWPQREKGIQGHQAS

EKDMMHSASSP
PPPRALQAESRQLVDLYKVLESRGSDPKPENPACPWTVL
PAGDLPTHGTY
LPSNIDDLPSHEAPLADSLEELEPQHISLSVFPSSSLHPLT
FSCGDKLTL DQLKMRCDSLML

Amino acids	1 to 862
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab158762** in the following tested applications.

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

Applications	Western blot ELISA
Form	Liquid
Additional notes	

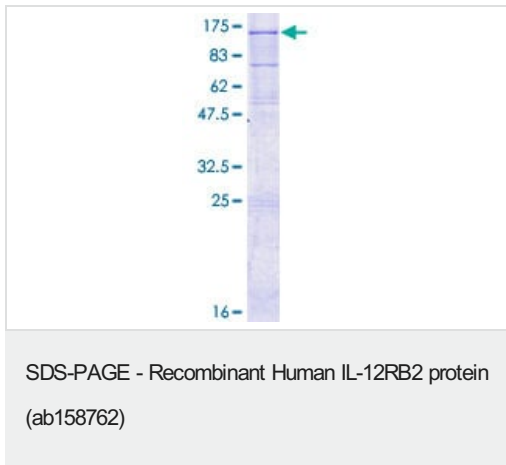
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Receptor for interleukin-12. This subunit is the signaling component coupling to the JAK2/STAT4 pathway. Promotes the proliferation of T-cells as well as NK cells. Induces the promotion of T-cells towards the Th1 phenotype by strongly enhancing IFN-gamma production.
Tissue specificity	Isoform 2 is expressed at similar levels in both naive and activated T-cells.
Sequence similarities	Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 5 fibronectin type-III domains.
Developmental stage	Maximum levels in Th1 cells between day 3 and day 8 of activation.
Domain	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
Post-translational modifications	On IL12 binding, phosphorylated on C-terminal tyrosine residues by JAK2. Phosphorylation on Tyr-800 is required for STAT4 binding and activation, and for SOCS3 binding.
Cellular localization	Membrane.

Images



ab158762 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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