
Product Data Sheet

Product Name: IL12RB1 Human

Cat. No.: GP20556

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin 12 Receptor Beta 1; IL-12 Receptor BetaComponent; IL-12 Receptor Subunit Beta-1; IL-12R Subunit Beta-1; IL12RB;Interleukin-12 Receptor Subunit Beta-1; Interleukin-12 Receptor Beta-1 Chain;Cluster Of Differentiation 212; CD212 Antigen; IL-12R-Beta-1; IL-12R-BETA1;IL-12RB1; CD212; IMD30; IL12R.		
Amino Acid Sequence	<p>MGSSHHHHHSSGLVPRGSH MGSMEPLVTWVPLLFLFLL SRQGAACRTS ECCFQDPPYP DADSGSASGP RDLRCYRISS DRYECSWQYE GPTAGVSHFLRCCLSSGRCC YFAAGSATRL QFSDQAGVSV LYTVTLWVES WARNQTEKSP EVTLQLYNSV KYEPPLGDIKVSKLAGQLRM EWETPDNQVG AEVQFRHRTP SSPWKLGDGCG PQDDDTESCL CPLEMNVAQE FQLRRRQLGSQGSSWSKWSS PVCVPPENPP QPQVRFSVEQ LGQDGRRLT LKEQPTQLEL PEGCQGLAPG TEVTYRLQLHMLSCPCKAKA TRTLHLGKMP YLSGAAYNVA VISSNQFGPG LNQTWHPAD THTEPVALNI SVGTNGTTMYWPARAQSMY CIEWQPVGQD GGLATCSLTA PQDPDPAGMA TYSWSRESGA MGQEKCYIT IFASAHPEKL TLWSTVLSTYHFGGNASAAG TPHHVSVKNH SLDSVSDWA PSLSTCPGV LKEYVVRCD EDSKQVSEHP VQPTETQVTLGLRAGVAYT VQVRADTAWL RGVWSQPQRF SIEVQVSD.</p>		
Formulation	IL12RB1 protein solution (0.25mg/ml) containing 20mM TRIS8.0 buffer and 10% glycerol.		

Introduction

IL-12 is a heterodimeric cytokine that stimulates the production of IFN gamma from T-cells and natural killer cells, and also induces differentiation of Th1 helper cells. It is an initiator of cell-mediated immunity.

Caution: Product has not been fully validated for medical applications. For research use only.

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Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IL12RB1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 568 amino acids (1-545 a.a) and having a molecular mass of 62.6kDa. IL12RB1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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