

Human IL 23 Recombinant Protein



RPPB0644

Product Information Protein Information

Product SKU:

RPPB0644

Accession:

Q9NPF7

Host:

Sf9, Baculovirus cells.

Protein description:

Recombinant Human Interleukin-23 produced in Sf9 Baculovirus cells is a glycosylated heterodimer composed of 2 disulfide-linked subunits. A p19 subunit which is unique to IL23 and a p40 subunit which is shared with IL12. The p19 subunit/IL23A (20-189aa, total of 176 aa, MW 19.5kDa) and p40 subunit /IL12B (23-328aa, total of 306 aa, MW 34.6kDa), the total predicted molecular mass of 54.1kDa (Molecular weight on SDS-PAGE will appear higher). IL23 is fused to a 6 aa His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Interleukin 23 alpha subunit p19, Interleukin-12 subunit beta p40, SGRF, IL23P19, IL-23-A, interleukin-six, G-CSF related factor, JKA3 induced upon T-cell activation, interleukin 12B (natural killer cell stimulatory factor 2 cytotoxic lymphocyte maturation factor 2 p40), NK cell stimulatory factor chain 2, Cytotoxic lymphocyte maturation factor 40 kDa subunit, CLMF2, CLMF p40.

Formulation:

IL23 protein solution (1mg/ml) contains PBS (pH7.4) and 10% glycerol.

Purity:

Greater than 95.0% as determined by analysis by SDS-PAGE.

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.

Amino Acid Sequence:

IL12B: IWELKDVDVY VELDWPDPAP GEMVVLTCDT PEEDGITWTL DQSSEVLGSG KTLTIQVKEF
GDAGQYTCHK GGEVLSHLL LLHKKEDGIW STDILKDQKE PKNKTFLRCE AKNYSGRFTC WWLTTISTDL
TFSVKSSRGS SDPQGVTCGA ATLSAERVRG DNKEYEYSVE CQEDSACPAA EESLPIEVMV DAVHKLKYEN
YTSSFFIRDI IKPDPPKNLQ LKPLKNSRQV EVSWEYPDTW STPHSYFSLT FCVQVQGKSK REKKDRVFTD
KTSATVICRK NASISVRAQD RYYSSSWSEW ASVPCS. IL23A: RAVPGGSSPA WTQCQQLSQK LCTLAWSAHP
LVGHMDLREE GDEETTNDVP HIQCGDGDGP QGLRDNSQFC LQRIHQGLIF YEKLLGSDIF TGEPSLLPDS
PVGQLHASLL GLSQQLLQPEG HHWETQQIPS LSPSQPWQRL LLRFKILRSL QAFVAVAAARV FAHGAATLSP
HHHHHH.