

Overview

Synonyms	IL-6RA, IL-6R1, CD126
Description	Interleukin-6 Receptor Alpha , also known as IL-6RA, IL-6R1 and CD126, belongs to the type I cytokine receptor family. It is mainly expressed on T cells, fibroblasts and macrophages. IL-6RA couples with gp130 to form the IL-6 receptor; IL-6RA binds specifically to IL-6 and depends on gp130 to transmit signals. IL-6RA dysfunction has been correlated with the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer (HowMed). Soluble IL-6RA, which consists of only the extracellular domain of IL-6RA, acts as an agonist of IL-6 activity.
Accession No	P08887
Species	Human
Source	CHO
Biological Activity	ED ₅₀ < 0.2 µg/ml, measured in a cell proliferation assay using M1 cells in the presence of 10 ng/ml human IL-6.
Sequence	LAPRRCPAQE VARGVLTSLP GDSVTLTCPG VEPEDNATVH WVLRKPAAGS HPSRWAGMGR RLLLRVQLH DSGNYSCYRA GRPAGTVHLL VDVPEEPQQL SCFRKSPLSN VVCEWGRPRST PSLTTKAVLL VRKFQNSPAE DFQEPQCYSQ ESQKFSCQLA VPEGDSSFYI VSMCVASSVG SKFSKTQTFQ GCGILQPDPP ANITVTAVAR NPRWLSVTWQ DPHSWNSSFY RLRFELRYRA ERSKTFTTWM VKDLQHHCVI HDAWSGLRHV VQLRAQEEFG QGEWSEWSPE AMGTPWTESR SPPAENEVST PMQALTTNKD DDNILFRDSA NATSLPVQDS SSVPLP

Properties

Measured Molecular Weight	54-56 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant Human Interleukin-6 Receptor Alpha remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Interleukin-6 Receptor Alpha should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

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