Bioactive

Il12a and Il12b (Mouse) Recombinant Protein

Catalog # P7447 Size 10 ug

Specification

Product Description	Mouse Il12a (P43431, 23 a.a. - 215 a.a.) and Il12b (P43432, 23 a.a. - 335 a.a.) partial recombinant protein expressed in CHO cells.
Sequence	RVIPVSGPARCLSQSRNLLKTTDDMVKTAREKLKHYSCTAEDIDHEDITRDQTSTLKTCLPLELHK NESCLATRETSSTTRGSCLPPQKTSLMMTLCLGSIYEDLKMYQTEFQAINAALQNHNHQQIILDKGM LVAIDELMQSLNHNGETLRQKPPVGEADPYRVKMKLCILLHAFSTRVVTINRVMGYLSSA, MWELE KDVYVVEVDWTPDAPGETVNLTCDTPEEDDITWTSDQRHGVIGSGKTLTITVKEFLDAGQYTCHK GGETLSHSHLLLHKKENGIWSTEILKNFKNKTFLKCEAPNYSGRFTCSWLVQRNMDLKFNIKSSSS SPDSRAVTCGMASLSAEKVTLDQRDYEKYSVSCQEDVTCPTAEETLPIELALEARQQNKYENYST SFFIRDIIKPDPPKNLQMKPLKNSQVEVSWEYPDSWSTPHSYFSLKFFVRIQRKKEKMKETEEGC NQKGAFLVEKTSTEVQCKGGNVCVQAQDRYYNSSCSKWACVPCRVRS
Host	Mammals
Theoretical MW (kDa)	27 ~ 29, 45 ~ 50
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purity	> 95% as analyzed by SDS-PAGE.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	ED_{50} < 0.15 ng/mL, measured in a cell proliferation assay using 2D6 cells.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 ug/mL.
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

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Applications

- Functional Study
- SDS-PAGE

Gene Info — Il12a

Entrez GeneID	16159
Protein Accession#	P43431,P43432
Gene Name	Il12a
Gene Alias	IL-12p35, Il-12a, LI12a, MGC151228, MGC151232, p35
Gene Description	interleukin 12a
Gene Ontology	Hyperlink
Other Designations	interleukin 12a p35 subunit

Gene Info — Il12b

Entrez GeneID	16160
Protein Accession#	P43431,P43432
Gene Name	Il12b
Gene Alias	Il-12b, Il-12p40, Il12p40, p40
Gene Description	interleukin 12b
Gene Ontology	Hyperlink
Other Designations	IL-12 p40|IL-23 subunit p40|OTTMUSP00000005619

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