

## Product Datasheet

# Recombinant IL-13, His, Mouse (CHO-expressed) (orb1494717)

|                          |  |
|--------------------------|--|
| <b>Description</b>       | Interleukin-13 (IL-13), also known as T-cell activation protein P600, is an immunoregulatory cytokine belonging to the IL-4/IL-13 family. It is produced by activated Th2 cells, mast cells and NK cells. IL-13 signals through a receptor complex composed of IL-4R $\alpha$ and IL13R $\alpha$ 1 (or IL13R $\alpha$ 2). IL-13 inhibits the expression of inflammatory cytokines such as IL-1 $\beta$ , TNF- $\alpha$ and IL-6 by monocytes and macrophages. It also induces B cell activation and IgE secretion. |
| <b>Endotoxins</b>        | < 0.2 EU/ $\mu$ g, determined by LAL method.   |
| <b>Preservatives</b>     | Lyophilized after extensive dialysis against PBS.  |
| <b>Form/Appearance</b>   | Lyophilized after extensive dialysis against PBS.  |
| <b>Storage</b>           | Lyophilized recombinant murine Interleukin-13 (IL-13), His remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, murine Interleukin-13 (IL-13), His should be stable up to 1 week at 4°C or up to 2 months at -20°C.   |
| <b>Note</b>              | For research use only  |
| <b>Application notes</b> | Reconstituted in ddH <sub>2</sub> O or PBS at 100 $\mu$ g/ml.  |
| <b>Protein Sequence</b>  | PVPRSVSLPLTLKELIEELSNITQDQTPLCNGSMVWSVDLAAGGFCVALDSL TNISNCN AIYR<br>TQRILHGLCNRKAPTTV SSLPDTKIEVAHFITKLLSYTKQLFRHGPFHHHHHH  |
| <b>Purity</b>            | > 95% as analyzed by SDS-PAGE.   |
| <b>Source</b>            | CHO  |
| <b>MW</b>                | 14-30 kDa, observed by reducing SDS-PAGE.  |
| <b>Expiration Date</b>   | 6 months from date of receipt.   |

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