

Recombinant Human Growth Regulated Protein-beta/CXCL2 (Human GRO-β/CXCL2)

Product Information

Product Name	Cat#	Size
	90905ES10	10 µg
Recombinant Human Growth Regulated Protein-beta/CXCL2 (Human GRO-β/CXCL2)	90905ES60	100 µg
	90905ES76	500 µg

Product Description

All three isoforms of GRO are CXC chemokines that can signal through the CXCR1 or CXCR2 receptors. The GRO proteins chemoattract and activate neutrophils and basophils. Recombinant Human GRO-β is a 7.9 kDa protein consisting of 73 amino acids, including the 'ELR' motif common to the CXC chemokine family that binds to CXCR1 or CXCR2.

Product Properties

Synonyms	MIP2-alpha
Accession	P19875
GeneID	2920
Source	E.coli-derived Human GRO-β Ala35-Asn107.
Molecular Weight	Approximately 7.9 kDa
AA Sequence	APLATELRCQ CLQTLQGIHL KNIQSVKVKVKS PGPHCAQTEV IATLKNGQKA CLNPASPMVK KIIKMLKNG KSN
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human CXCR2 transfected human 293 cells is in a concentration range of 10-100 ng/mL.
Endotoxin	< 1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 50 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycle.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.