

# Product Datasheet

## RecombinantCT-1,Human (orb1494756)

Description	Cardiotrophin-1 (CT-1) is a member of the cytokine family which also includes IL-6, IL-11, I LIF, CNTF, OSM. CT-1 has since been shown to be a pleiotrophic cytokine with overlapping actions with other IL-6 family members on a variety of cell types. Biologically active human CT-1 is synthesized as a 201 amino acid polypeptide lacking a hydrophobic N-terminal secretion signal sequence. Recombinant Human CT-1 is a 21.1 kDa protein consisting of 200 amino acid residues.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant Human Cardiotrophin-1°CT-1) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Human Cardiotrophin-1°CT-1) should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH <sub>2</sub> O or PBS at 100 μg/ml.
Protein Sequence	SRREGSLEDPQTDSSVSLLPHLEAKIRQTHSLAHLTKYAEQLLQEYVQLQGDPFGLPSPFSPPRLPVAGLSAPAPSHAGL PVHERLRLDAAALAALPPLLDAVCRRQAELNPRAPRLLRRLEDAARQARALGAAVEALLAALGAANRGPRAEPPAATASA ASATGVFPKVLGLRVCGLYREWLSRTEGDLGQLLPGGSA
Purity	> 95% as analyzed by SDS-PAGE.
Source	CHO
MW	24~26kDa, observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

**Biorbyt Ltd.**

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +44 (0) 1223 859-353 | Fax: +1 (415) 651-8558

**Biorbyt LLC.**

68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558