

Catalog number GF-ACTA-HU

Recombinant Human Activin A

Carrier-free recombinant human Activin A, CHO-expressed and $\geq 97\%$ pure. The active species is the disulfide-linked homodimer of two inhibin α -A chains, the core supplement for definitive-endoderm and pluripotency protocols.

Specification

Species	Human
Expressed in	CHO (mammalian)
UniProt	P08476
Accession	NP_002183.1
Residue range	Gly311-Ser426 (116 aa per chain, disulfide-linked homodimer)
Molecular weight	26 kDa (SDS-PAGE, non-reduced homodimer)
Purity	$\geq 97\%$ (SDS-PAGE & RP-HPLC)
Endotoxin	≤ 0.1 EU/ μ g (LAL)
Bioactivity	ED50 2-10 ng/mL, HepG2 Smad2/3 (CAGA) ¹² luciferase reporter induction
Carrier	carrier-free
Formulation	Sterile-filtered solution in PBS, pH 7.4. Supplied frozen; carrier-free (a 0.1% BSA carrier option is also available). Supplied as the folded, disulfide-linked homodimer, so no refolding or dimerization step is needed.
Reconstitution	Supplied ready to use, no reconstitution required. Thaw on ice, mix gently, and dilute into your assay buffer or medium.
Storage	-80 °C. Aliquot on receipt to avoid repeated freeze/thaw.
Stability	12 mo at -80 °C; 1 wk at 2-8 °C once thawed. Do not refreeze.
Grade	Research use only

Ordering

Catalog no.	Pack	List price	Availability
GF - ACTA - HU - 10UG	10 μ g	\$40	Waitlist
GF - ACTA - HU - 50UG	50 μ g	\$110	Waitlist

GF-ACTA-HU continued

GF - ACTA - HU - 100UG	100 µg	\$170	Waitlist
GF - ACTA - HU - 1MG	1 mg	\$730	Waitlist

Storage and shipping

Cold chain	Frozen, on dry ice. Declared UN1845, dangerous goods class 9.
Hazard classification	None
Certificate of Analysis	Issued per lot and shipped with the product. Any lot can be retrieved at bramantebio.com/support/coa/

Research use only

For research use only. Not for use in diagnostic or therapeutic procedures, and not for human or veterinary use. The purchaser is responsible for determining suitability for their application and for compliance with applicable biosafety and institutional requirements.