

## MSTN

### Research Grade Ramatercept

<b>Catalog No.</b>	DHA30606A DHA30606B	<b>Quantity:</b>	100 µg 1.0 mg
<b>Alternate Names:</b>	ACE-031, ActRIIB-IgG1, ActRIIb:Fc Fusion Protein, HGT-4510, RAP-031, CAS: 1169766-01-1		
<b>Description:</b>	Research Grade Ramatercept is a soluble ACVR2 antagonist, a fusion protein of the extracellular component activin A receptor type 2B and the Fc region of IgG1. Ramatercept inhibits myostatin downstream signaling events that limit muscular tissue growth, suggesting that inactivating ActRIIB may lead to a substantial increase in skeletal muscle cell volume. Ramatercept may have a role in preventing muscle atrophy.		
<b>UniProt ID (target):</b>	O14793		
<b>Specificity:</b>	Human Growth/differentiation factor 8 (GDF-8, Myostatin)		
<b>Concentration:</b>	1.0 mg/ml, lot specific		
<b>Source:</b>	Mammalian cells		
<b>Isotype:</b>	Human Fusion - [ACVR2B (activin A receptor type 2B, ActR-IIB, ActRIIB)] <sub>2</sub> - IGHG1 Fc (Fragment constant)		
<b>Formulation:</b>	0.01M PBS buffer, pH 7.4		
<b>Purity:</b>	> 95% by SDS-PAGE		
<b>Endotoxin Level:</b>	≤ 0.01 EU/µg by LAL analysis		
<b>Purification:</b>	Protein A or G affinity chromatography from cell culture supernatant		
<b>Applications:</b>	Functional studies		
<b>INN:</b>	Ramatercept		
<b>Storage &amp; Stability:</b>	Store at 2-8°C for up to 1 week, or in working aliquots at -20°C to -80°C for up to 1 year. <b>Avoid freeze/thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

