

## EDNRA Protein, Human, Recombinant (His)

### General Information

Synonyms:	Endothelin-1 receptor;Endothelin receptor type A (ET-A;ETA-R;hET-AR);EDNRA;ETA;ETRA
Protein Construction:	21-80 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	P25101
Molecular Weight:	8.8 kDa (predicted)
AA Sequence:	DNPERYSTNLSNHVDDFTTFRGTELSFLVTTHQPTNLVLPNSNGSMHNYCPQQTKITSAFK

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Receptor for endothelin-1. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of binding affinities for ET-A is: ET1 > ET2 >> ET3.

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