

## Active Recombinant Rat Hspa5 protein, His-tagged

**Cat. No.** Hspa5-1552R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length (aa 1-654) ratGRP78 Protein with His tag.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-654 a.a.
<b>Description</b>	Rat Hspa5 is a secreted protein of the endoplasmic reticulum; may be involved in the assembly of secreted and membrane-bound proteins.
<b>Form</b>	20 mM Tris-HCl, pH 7.5, 50 mM KCl, 1 mM DTT, 5 mM MgCl <sub>2</sub> .
<b>Bio-activity</b>	Rat GRP78 has ATPase activity at the time of manufacture of 2.5 μM phosphate liberated/hr/μg protein in a 200 μl reaction at 37 centigrade (pH7.5) in the presence of 20 μl of 1 mM ATP using a Malachite Green assay.
<b>Molecular Mass</b>	78 kDa
<b>Storage</b>	Stable for 2 years at -70 centigrade from date of shipment. Please aliquot to avoid repeated freezing and thawing.
<b>Full Length</b>	Full L.

### GENE INFORMATION

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<b>Gene Name</b>	Hspa5 heat shock protein 5 [ Rattus norvegicus ]
<b>Official Symbol</b>	Hspa5
<b>Synonyms</b>	HSPA5; heat shock protein 5; 78 kDa glucose-regulated protein; GRP 78; GRP-78; heat shock 70kD protein 5; heat shock 70 kDa protein 5; steroidogenesis-activator polypeptide; immunoglobulin heavy chain-binding protein; heat shock 70kDa protein 5 (glucose-regulated protein); BIP;
<b>Gene ID</b>	25617
<b>mRNA Refseq</b>	NM_013083
<b>Protein Refseq</b>	NP_037215

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