Active Recombinant Human GRP78 Protein, His-tagged

Cat. No. HSPA5-1550H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant active N-terminal His-tagged full length human GRP78 protein was purified from E. coli.
Species	Human
Source	E.coli
ProteinLength	2-654
Description	The protein encoded by this gene is a member of the heat shock protein 70 (HSP70) family. It is localized in the lumen of the endoplasmic reticulum (ER), and is involved in the folding and assembly of proteins in the ER. As this protein interacts with many ER proteins, it may play a key role in monitoring protein transport through the cell.
Bio-activity	ATPase activity confirmed by ADP detection assay
Molecular Mass	74.6 kDa
Purity	≥ 85% estimated by SDS-PAGE.
Stability	≥ 1 year
Storage	At -80 centigrade.
Storage Buffer	50 mM HEPES, pH 8.0, 150 mM sodium chloride, 1 mM DTT, and 10% glycerol

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Warning	This product is not for human or veterinary use.

GENE INFORMATION

Gene Name	HSPA5 heat shock protein family A (Hsp70) member 5 [Homo sapiens (human)]
Official Symbol	HSPA5
Synonyms	BIP; MIF2; GRP78; HEL-S-89n; HSPA5; heat shock protein family A (Hsp70) member 5; endoplasmic reticulum chaperone BiP; 78 kDa glucose-regulated protein; HSP70 family protein 5; binding-immunoglobulin protein; endoplasmic reticulum lumenal Ca(2+)-binding protein grp78; epididymis secretory sperm binding protein Li 89n; glucose-regulated protein, 78kDa; heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa); heat shock protein 70 family protein 5; heat shock protein family A member 5; immunoglobulin heavy chain-binding protein; EC 3.6.4.10
Gene ID	3309
mRNA Refseq	NM_005347
Protein Refseq	NP_005338
MIM	138120
UniProt ID	P11021
HSPA5-1550H, 2	

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